



CH

for R

Established

L. C. 101

Sci  
Ph  
Na



A  
E  
P  
F  
I



# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3513  
L. CXLVII

JUNE 21, 1947

Annual Subscription (with  
Diary) 30/-. Single Copies 1/-.

Science and  
Pharmacy series.  
No. 49

## Oliver Wendell Holmes

American  
Essayist,  
Poet and  
Physician  
1809 . . .  
. . . 1894

There are many instances of the union of science and letters and the famous author of 'The Autocrat of the Breakfast Table' was also especially talented in his capacity as physician. His share in the recognition of the causes of mortality from Puerperal Fever gained him the usual crop of malicious denigrators as well as the undying gratitude of motherhood.

**BURGOYNE BURBIDGES**

Established 1741. & COMPANY, LIMITED. LONDON, E.C.





*a new*  
**Parke-Davis**  
*product*

**‘TAKA-BEXIN’**  
CAPSULES

This combination of the important members of the vitamin B complex with vitamin C and the powerful starch-converting ferment, Taka-Diastase, is of value for middle-aged and elderly people who often need assistance in digesting starchy food and whose intake of vitamins is low. In convalescence also, when digestion and appetite are impaired and vitamin deficiency is present, ‘Taka-Bexin’ will prove useful.

Six ‘Taka-Bexin’ Capsules contain sufficient Taka-Diastase to liquefy the amount of starch in approximately  $1\frac{1}{2}$  lb. of potatoes or  $\frac{1}{2}$  lb. of bread.

**IN BOTTLES**  
**OF 50 CAPSULES**

**List Price 11/3 each**

**M. R. P.**  
**(including Pur. Tax)**  
**12/6 each**

**FORMULA**

Each capsule contains:-

Taka-Diastase	. . . . .	1 gr
Vitamin B <sub>1</sub> (Aneurine Hydrochloride)	. . . . .	1 mgm
Vitamin B <sub>2</sub> (Riboflavin)	. . . . .	1 mgm
Vitamin B <sub>6</sub> (Pyridoxine Hydrochloride)	. . . . .	0.5 mgm
Pantothenic Acid (as the Calcium Salt)	. . . . .	0.15 mgm
Nicotinamide	. . . . .	6 mgm
Vitamin C (Ascorbic Acid)	. . . . .	15 mgm

**PARKE, DAVIS & COMPANY**  
50, BEAK STREET, LONDON, W. 1.  
LABORATORIES: HOUNSLOW, MIDDLESEX. INC. U.S.A. LIABILITY LTD.

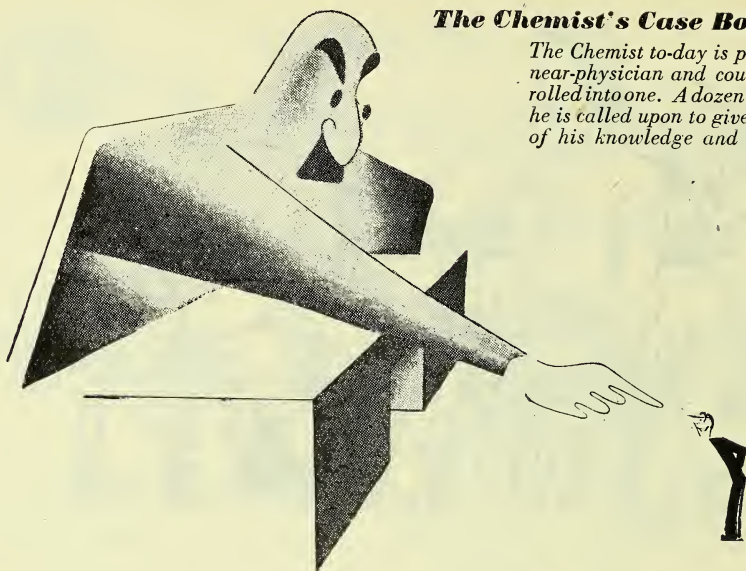




The public trusts the chemist  
and looks to him for sound advice.

Never is it more surely given  
than when he recommends MILTON  
for cuts and grazes!

Why not tell them about MILTON?



### ***The Chemist's Case Book.***

*The Chemist to-day is psychiatrist, near-physician and counsellor, all rolled into one. A dozen times a day he is called upon to give the benefit of his knowledge and experience.*

## ***'Nerves'***

Even where a nervous debility is not directly caused by dyspepsia it reacts on the digestive organs and so aggravates the condition. A course of Benger's Food every night for a month, as every Chemist knows, soothes the stomach because the Food, being partially pre-digested, the digestion is given a chance to rest and recuperate. The calm sleep which Benger's Food induces soothes the nerves. Often the Benger's Food is the only form of nourishment the nervous type can assimilate. Benger's Food can be a steady and continuous sale if the Chemist will remember to recommend it.

## ***Benger's Food***

### ***Important !***

Benger's Food is not to be confused with ordinary bed-time drinks. It is a partially pre-digested milk food. Benger's to-day is as easy to make as a cup of cocoa.

B E N G E R ' S   L T D . ,   H O L M E S   C H A P E L ,   C H E S H I R E

(A.)

**EVANS****COLLUMINA**

Regd. Trade Mark

**aluminium hydroxide preparations  
for effective antacid treatment**

A highly active, acid-soluble aluminium hydroxide (otherwise known as hydrous oxide of aluminium) is the basis of all Collumina preparations.

**POWDER**

A new preparation available as an alternative to the suspension, Collumina Powder corresponds to the Dried Aluminium Hydroxide Gel (U.S.P. XIII). 1 grm will neutralize 250 ml of N/10 HCl in one hour.

**Bottles of 50 grm.****TABLETS**

A new preparation. Each tablet contains 5 grains of aluminium hydroxide powder with suitable flavouring.

**Bottles of 60 tablets.****SUSPENSION**

The original preparation known as Collumina and containing 5% to 6% of aluminium hydroxide in aqueous suspension, with suitable flavouring. 5 c.c. will neutralize 100 c.c. of N/10 HCl in 10 to 15 minutes.

**Bottles of 8 fl. oz. and 40 fl. oz.**

A new brochure on aluminium hydroxide therapy is available on request.

*Made in England by***EVANS MEDICAL SUPPLIES LTD****Liverpool and London**

OVERSEAS COMPANIES AND BRANCHES: AUSTRALIA, BRAZIL,  
CHINA, EIRE, INDIA, MALAYA, PALESTINE, SOUTH AFRICA

EL 136

**FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS**



# MEMO TO CHEMISTS

Please return your  
**RENDELLS**  
for TRANSPARENT WRAPPING!

RENDELLS request you to return to their address below all stocks of Rendells Pessaries which are *not* wrapped in "Cellophane" Cellulose Film. These goods will be immediately exchanged for equal numbers of Cellulose-wrapped goods. It is now once more possible to dress our famous product in this modern hygienic wrapping, and all future supplies will be so despatched.

**\*Your stocks should be returned promptly, because the Public will now expect to purchase Rendells with the outer transparent wrapping.**

**IMPORTANT.** Postage will be refunded upon all goods returned *direct*. The sender's name and address must be written on the outside of all packages and the quantity returned stated.



## Rendells

W. J. RENDELL LTD.  
MANUFACTURING CHEMISTS

161-5 ROSEBURY AVE, LONDON E.C.1

### PRODUCTS FOR FEMININE HYGIENE

INDEX T

Bright & W...  
Allen, Station...  
Anderson & J...  
Briel Curers...  
Armour & Co...  
Spro, Ltd...  
Hinsons

Adwin Chemica...  
ell, John, H...  
engers, Ltd...  
rand & Co...  
British Drug Hou...  
Frontan, Ltd...  
Brook Parker &...  
Protex Products...  
Brown & Forth...  
Burgoyne, Burbo...  
Burrough, Jame...  
Burroughs We...

Callos, Ltd...  
Chad Mufe Co...  
Chemical & N...  
Day & Abraham...  
Continental Labo...  
Co, Arthur H...  
Forest Laboratories...  
Crosskill, C. R...  
Gunning, J. W...

Angoor, N. S...  
Janel, Richard...  
Aves, James W...  
Gersons, Ltd...  
unhill, J., Man...

B.

Dated June

"B.D.H. Me

to include p

Distribution

been reserve

receive a co

THE BR

## INDEX TO ADVERTISERS

Albright & Wilson, Ltd. ....	xxvi
Allen & Hanburys, Ltd. ....	19
Allen, Stafford, & Sons, Ltd. ....	21
Anderson & Reeves, Ltd. ....	22
Ariel Curlers ....	xxx
Armour & Co., Ltd. ....	10
Aspro, Ltd. ....	xxxi
Atkinsons ....	16
Baldwin Chemical Industries, Ltd. ....	xxviii
Bell, John, Hills & Lucas, Ltd. ....	Leader Page
Benger's, Ltd. ....	2
Brand & Co., Ltd. ....	xx
British Drug Houses, Ltd., The ....	5
Brontan, Ltd. ....	xxvi
Brook Parker & Co., Ltd. ....	12
Brotex Products, Ltd. ....	xviii
Brown & Forth Ltd. ....	v
Burgoyne, Burbidge's & Co., Ltd. ....	Front Cover
Burrough, James, Ltd. ....	Leader Page
Burroughs Wellcome & Co. ....	29
Calfos, Ltd. ....	xxiv
Chade Mfg. Co., Ltd. ....	viii
Chemical & Natural Products, Ltd. ....	18
Clay & Abraham, Ltd. ....	14
Continental Laboratories, Ltd. ....	24
Cox, Arthur H., & Co., Ltd. ....	8
Crest Laboratories, Ltd. ....	xxiii
Crosskill, C. R., & Sons ....	ix
Cumming, J. W., & Son, Ltd. ....	iv
Dangoor, N. S., Ltd. ....	iii
Daniel, Richard, & Son, Ltd. ....	13
Davies, James W. (Western), Ltd. ....	xxii
Domestos, Ltd. ....	xx
Dunhill, J., Manfg. Co., Ltd. ....	xxviii

Edosan, Ltd. ....	Leader Page
Ellis, J. E., Ltd. ....	xxv
English Pharmaceutical Co., Ltd. ....	28
Evans Medical Supplies, Ltd. ....	3

Fecher, M. J., Ltd. ....	6
Ferber, Robert, Ltd. ....	xxiii
Ferryman, Herbert, Ltd. ....	xxii
Franks, A., & Bartlett Co., Ltd. ....	xii
Freudentheil, Smith & Co. ....	Leader Page

Gillette Industries, Ltd. ....	x
Gordon & Gotch, Ltd. ....	ix
Gould, N. & M., Ltd. ....	Leader Page

Haetem, Ltd. ....	28
Harringtons ....	26
Harwoods Laboratories, Ltd. ....	xxvii
Herts Pharmaceuticals, Ltd. ....	Cover iv
Hewlett, C. J., & Son, Ltd. ....	14
Hirst, Stuart, Ltd. ....	Leader Page
Howard-Taylor, Ltd. ....	xxv
Howards & Sons, Ltd. ....	i
Hygienic Chemical Co., Ltd. ....	xix

Imperial Chemical (Pharmaceuticals), Ltd. ....	17
Institute of Chemists-Opticians ....	Col. Supp.
International Laboratories, Ltd. ....	xxiv

Keeling & Walker, Ltd. ....	ii
Kimpton Brothers, Ltd. ....	iv
Knox Laboratories, Ltd. ....	15
Knox, John (Stoke-on-Trent), Ltd. ....	xxii

Lax & Shaw, Ltd. ....	xiii
Lennon, Ltd. ....	vi
Lucia Products ....	xxvii

(continued overleaf)

# B.D.H. PRICE LIST

## — a new issue

Dated June 1947, our latest publication contains revised prices for a number of 'B.D.H. Medical Products'. The Drugs and Chemicals section has been extended to include prices for all forms of packing of each item.

Distribution will commence during the forthcoming week. A small allocation has been reserved and is available, on application, to those pharmacists who do not receive a copy through our normal distribution channels.

THE BRITISH DRUG HOUSES LTD. LONDON N.1



**INDEX—(cont.)**

Madelox, Ltd. ....	26	Roche Products, Ltd. ....	9
Margolis, Sidney ....	viii	Ronaldson, J., & Co., Ltd. ....	iv
Mather, Wm., Ltd. ....	viii	Rooney, Robert A., & Sons ....	12
Matthews & Wilson, Ltd. ....	xxiv	Ruff & Co. (Sales), Ltd. ....	26
Matthews, S., & Co., Ltd. ....	10	Salem (Pulverized Tragacanth), Ltd. ....	iv
Medical Bottle Supplies, Ltd. ....	vii	Saltman Eng. Co., Ltd. ....	xxx
Medico-Biological Laboratories, Ltd. ....	xxvii	Samuelson, P., & Co. ....	ii
Mediservices, Ltd. ....	xxviii	Scholl Manufacturing Co., Ltd. ....	xxix
Menley & James, Ltd. ....	24	Scott & Turner, Ltd. ....	12
Midgley & Parkinson, Ltd. ....	26	Shadeine ....	26
Midland Bank, Ltd. ....	xix	Sharp & Dohme, Ltd. ....	11
Milton Antiseptic, Ltd. ....	1	Shell Chemicals, Ltd. ....	xvii
Mysore, Trade Commissioner for, in London ...	iv	Siemens Electric Lamps, Ltd. ....	vi
National Business Agency, Ltd. ....	Col. Supp.	Simpkin, A. L., & Co., Ltd. ....	xxi
Neill, James, & Co. (Sheffield), Ltd. ....	xxi	Splendor, Ltd. ....	xxvi
Ozonol Laboratories (1930), Ltd. ....	xviii	Sturge, John & E., Ltd. ....	23
Parke, Davis & Co. ....	Cover ii	Tampax, Ltd. ....	xvi
Parkinson, A. R. ....	ii	Teasdale & Co., Ltd. ....	Leader Page
Pascal Engineering Co., Ltd. ....	vi	Thompson & Copper Wholesale, Ltd. ....	25
Percenta, Ltd. ....	xviii	Townsend, J., & Sons, Ltd. ....	xx
Pharmaceutical Laboratories, Geigy, Ltd. ....	v	Universal Brush Co. ....	xi
Pifco, Ltd. ....	vii	Velvet Crepe Paper Co., Ltd. ....	viii
Potter & Clarke, Ltd. ....	27	Veno Drug Co., Ltd. ....	7
Pritchard & Constance (Mfg.), Ltd. ....	xxii	Vines Biocrin, Ltd. ....	xxx
Rand, S. D., Esq. ....	xv	Waide, Thos. & Sons, Ltd. ....	13
Rankin Bros. & Sons ....	Leader Page	Warrick Bros., Ltd. ....	30
Reed, A. Elder, & Co., Ltd. ....	v	Webster, Isaac, & Sons, Ltd. ....	ix
Rendell, W. J., Ltd. ....	4	Whiffen & Sons, Ltd. ....	Cover iii
Reuter, R. J., Co., Ltd. ....	28	Whitakers (Kendal), Ltd. ....	xix
Riley, J., & Sons, Ltd. ....	ii	Wilkinson, S. W., & Co. ....	vii
Rimmel (Distributing), Ltd. ....	20	Zems, Ltd. ....	xiv

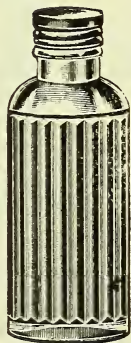
**FROM STOCK**

Fig. 722

**WHITE FLINT OVALS**

$\frac{1}{2}$  oz. Screw with  
Plastic Cap  
29/9 grs.



Fig. 708

2 oz. Cork  
mouth  
27/6 grs.

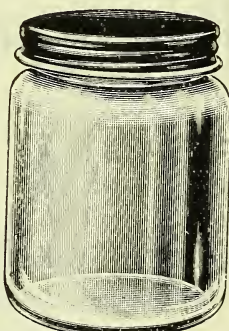


Fig. 414

**6 oz. CREAM JAR**

White Flint  
Lsq. Metal Cap  
60/- grs.



Fig. 826A

**WHITE FLINT SQUARES**

with Screw Plastic  
Cap  
 $\frac{1}{2}$  oz. 1 oz. 2 oz. ...  
37/6 41/6 46/6 grs.



Fig. 387

**HEXAGON POISON**

Act. Green  
Cork mouth  
 $\frac{1}{2}$  oz.  
31/- grs.

**M. J. FECHER, LTD., 121 HIGH STREET, SLOUGH, BUCKS**

Phone: SLOUGH 21864

# Established Household Remedies!

These Veno Products have withstood the searching test of many years' home use. Phensic, Dr. Cassell's, Veno's Lightning Cough Mixture, Germolene and Germoloids are always in demand. Each is backed by extensive and unceasing National and Provincial advertising. You can be assured of regular repeated business on a profitable basis. Please let us know your requirements.

**TERMS:** Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.



**VENO DRUG CO. LTD.**  
**CHESTER RD., MANCHESTER 16**

*Phensic*

*Cassell's*

*Veno's*

*Germolene*

*Germoloids*





YEARS OF INTENSE  
SPECIALIZATION IN  
**PILL & TABLET**  
MAKING

*From the experience gained  
has developed the ever  
growing production of*

**COX**

OF BRIGHTON

ARTHUR H. COX & CO. LTD., BRIGHTON

MANUFACTURING CHEMISTS

new edition  
is now available  
the recent  
including "Be  
each contain  
neurine," "S  
an improve  
of the List a

Sc  
is a result of  
by him over  
author is of  
requently  
During the  
cases of ver  
otic condit  
treatment w  
were either  
verigo or h  
ally 6% sh  
the initial  
isoboric ac  
Gastroenter

Shock, Inju  
Recent exper  
that many  
fundamental  
organism th  
during the  
curry, ben  
indicate tha  
important in  
from shock  
During the  
two of  
administrati  
vitamin C, S  
boharine a  
ally, later re

OCHE PROD

# 'ROCHE' NEWS IN BRIEF

## New Price List

A new edition of the Roche Price List is now available giving information on the recent additions and alterations, including 'Benerva' Vitamin B<sub>1</sub> tablets, each containing 10 mg. and 25 mg. neurine, 'Saridone' tablets, now made to an improved formula, etc. Copies of the List are available on application.

## Scorbutic Vertigo

As a result of investigations undertaken by him over a period of 15 years, the author is of the opinion that vertigo frequently has a scorbutic ætiology. During the course of this study 87 cases of vertigo with associated scorbutic conditions were recorded. After treatment with vitamin C 85% of these were either free from all symptoms of vertigo or had obtained definite relief, only 6% showing no improvement. The initial treatment was 500 mg. ascorbic acid, given intramuscularly. *Gastroenterologica*, 1946, 71, 129.)

## Shock, Injury, and Acute Infections

Recent experimental work has shown that many vitamins play much more fundamental roles in the animal organism than merely preventing or curing the well-known syndromes of curvy, beri-beri, etc. The results indicate that Vitamins B and C are important in connection with recovery from shock, injury, acute infections.

During the period of acute stress and for two or three days afterwards administration is suggested of 1 gm. vitamin C, 50 mg. vitamin B<sub>1</sub>, 50 mg. riboflavine and 500 mg. nicotinic acid daily, later reducing the intake to 200

mg. vitamin C, 10 mg. vitamin B<sub>1</sub>, 10 mg. riboflavine and 75 mg. nicotinic acid. (*Ann. Surgery*, 1946, 124, 840.)

## Pethidine in Obstetrics

The combination of pethidine ("demerol") and scopolamine, as used for obstetrical analgesia in a series of 300 deliveries, provided satisfactory relief of pain and amnesia. Adequate sedation was produced in 86% of the patients as compared with 48% in a control group given barbiturates, whilst the average length of labour was significantly shorter. No untoward effect upon the mothers was observed and there was no depressant effect upon the infants. "The absence of foetal anoxia was striking." (*California Medicine*, 1946, 65, 43.)

## Dosage is Important

Vitamin B<sub>1</sub> is now generally administered in large and often in massive doses. Palmer was perhaps the first in Great Britain to prescribe large oral doses. In the "Lancet"<sup>1</sup> he reported that 40 mg. daily was effective in a case of anorexia nervosa. American workers in 1939<sup>2</sup> recommended that the vitamin, to be effective in nervous disorders, be given in doses of 50 to 100 mg., and in 1941 Sinclair<sup>3</sup> expressed the opinion that in definite cases of deficiency the initial amount should be 20 mg. to 50 mg. by injection. To keep pace with medical opinion 'Benerva' Vitamin B<sub>1</sub> is now issued in tablets of 10 and 25 mg., in addition to the old strengths. (1. *Lancet* 1939, i, 269. 2. *J.A.M.A.* 1939, 113, 2105. 3. *Post Grad. M.J.*, 1941, 17, 3.)

ROCHE PRODUCTS LIMITED . WELWYN GARDEN CITY . HERTS . ENGLAND

Scottish Depot : 665 Great Western Road, Glasgow, W.2





**MEDICINAL PRODUCTS  
OF  
ANIMAL ORIGIN**



**Chemist Counter Lines**

**ARMOUR'S JUNKET PRODUCTS  
(TABLETS, POWDER, ESSENCE)  
GLANOID CALF'S FOOT JELLY  
PEPTONISED BEEF EXTRACT  
GLYCERINATED**

**A FULL RANGE OF GLANDULAR  
PRODUCTS PREPARED FROM FRESH  
WARM GLANDS SUPPLIED IN  
AMPOULES, TABLETS, LIQUIDS  
AND CAPSULES**

**available in Package Form  
or Bulk Containers**

**Also PEPSIN all strengths**

**PEPTONE**

**both Bacteriological  
and Commercial**

**ADRENALIN B.P. 1932  
(Pure)**

**PANCREATIN U-S-P**

**Concentrated  
OX GALL Powdered  
Purified**

**BILE SALTS POWDER**

**Send your enquiries to:**

**THE  
Armour Laboratories**  
(ARMOUR AND COMPANY LTD.)

**27-28 FINSBURY SQUARE, LONDON, E.C.1**

**Phone**

**Grams**

**Monarch 6044**

**"Armosata-Phone," London**

*Nearly  
Five times the  
Profit*

**FOR  
ONE-SIXTH OF  
THE TROUBLE**

The 24/- size 'Curicones'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

**YOU ENJOY THESE ADVANTAGES BY  
STOCKING THE CURICONES 24/- SIZE**

1. You make nearly five times the profit for one sixth of the trouble. (The 24/- size contains six times the quantity of the 5/- size).

2. You sell the equivalent of six bottles of 'Curicones' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.

3. Your turnover is quicker. Time is saved.

4. You are cementing goodwill. Obstinate cases of Rheumatic affliction yield to the full course of 'Curicones.'

**ORDER A ½ DOZ. FROM YOUR WHOLESALER  
TO-DAY—and satisfy your customers.**

**CURICONES**



*for the relief of* **PATA**

**RHEUMATISM and KINDRED ILLS**

Remember 'Curicones' is a P.A.T.A. Line showing 33 1/3% profit, nationally advertised and recommended by the medical profession. Showcard sent on request

**Large Size  
24/-**

**STEPHEN MATTHEWS & COMPANY LIMITED  
191/1 FARRINGTON STREET, LONDON, E.C.4**



# DOUBLE PROTECTION

**FOR YOUR CUSTOMER**

**FOR YOU**

**A STANDARDISED PRODUCT**

**A CF PRODUCT**

## A STANDARDISED PRODUCT

## A CF PRODUCT



Because each batch of S.T.37 toothpaste manufactured is tested for germicidal activity, your customers are certain of a standardised product. S.T.37 toothpaste contains hexylresorcinol, the active ingredient of solution S.T.37. It cleans thoroughly, imparts a gleaming polish and tests have proved that when diluted four times (the approximate dilution of toothpaste in the mouth) will destroy bacteria almost instantly on contact. Your customers like its antiseptic flavour and ask for it again and again. Steadily increasing business based on repeat sales is good business and S.T.37 toothpaste is an all-the-year-round favourite. You are safe in handling a CF line—protected and profitable... send for terms.

**SHARP & DOHME LTD., HODDESDON, HERTS.**

# S.T.37 TOOTHPASTE

**Sharp  
& Dohme**

# Urgent empty cases please

Shortage of cases is causing delay in deliveries of Andrews. Will customers please co-operate by returning empty cases immediately? Postage or carriage will be credited.

**HOW TO SEND** Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs.: by post (state cost on label). Over 15 lbs.: by rail, c/fwd. (or state cost on label).

## ANDREWS

SCOTT & TURNER LTD.,  
Andrews House, Newcastle-upon-Tyne 2

(T10)



Here's 32-Tooth Health!

**QUIZ**  
*teethbrush*  
Cleans them ALL

ROBT. A. ROONEY & SONS, LONDON, E.17  
Makers of fine Brushes for 150 years.

Here's profit to you

**QUIZ**  
*teethbrush*

ROBT. A. ROONEY & SONS, LONDON, E.17  
Makers of fine Brushes for 150 years

"BROPARCO" EFFERVESCENT

# Fruit Saline

PREVENTS AND  
CURES BILIOUSNESS,  
RELIEVES CONSTIPATION,  
CORRECTS ACIDITY  
AND HEARTBURN,  
PURIFIES THE BLOOD.

Manufactured by  
BROOK, PARKER & CO. LTD.  
BRADFORD, ENGLAND.



## Serving the Industry



### TABLETS PILLS GALENICALS

● Our long experience as specialists has won a reputation for our extensive range of products in all branches of the industry.

Richard Daniel & Son  
Derby Ltd

MANUFACTURING CHEMISTS · DERBY 4266-8 · ESTABLISHED

1860

# THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

THOMAS WAIDE & SONS, LTD.  
KIRKSTALL HILL  
LEEDS



## Now in attractive Plastic Containers . .



**IODINE**  
**ACRIFLAVINE**  
**D.M.P.** (Insect Repellant)

**MOSQUITO** . . . . **1/3d.**

and

**CLEAR SIGHT** . . . . **1/-**

CA139a

*Wholesale Terms on Application*

Always popular, always sure of quick sale, CANDA PENS are now additionally attractive in their new plastic containers.

The 'PEN' DISPLAY BOX contains 1 doz.

RETAIL

**1/2d.**  
each

TRADE

**9/-** per dozen plus 1/6  
per doz. Purchase Tax

**9/-** per dozen plus 3/-  
per doz. Purchase Tax

**9/-** per doz. No tax

CLAY & ABRAHAM LTD., Manufacturing Chemists, LIVERPOOL, 1



*Mispep*  
Trade Mark

and

### MIST. PEPSINÆ CO. c. BISMUTHO (Hewlett)

MISPEP represents four fluid drachms of the original Mist. Pepsinæ Co. c. Bismutho (Hewlett) in each fluid ounce, sweetened and flavoured with peppermint. This new presentation, produced in response to the great demand for a more palatable form of the old remedy, has been enthusiastically received by the Medical and Pharmaceutical professions.

Its clean, modern label and carton make it an attractive counter line.

Retail: 4 fl. oz. 3/4, 8 fl. oz. 6/1, 20 fl. oz. 13/4      33 1/3% Discount to Pharmacists  
There is a 90 fluid oz. size available for dispensing

Mist Pepsinæ Co. c. Bismutho (Hewlett) is still available for prescriptions calling for the older mixture and should be dispensed in such cases.

Packed in bottles of 5, 10, 22, 40 and 90 ozs.

**C. J. HEWLETT & SON, LTD. 35-43 Charlotte Rd., LONDON, E.C.2**  
Also at 48 CARSTAIRS STREET, GLASGOW, S.E.

# The Knox Policy

The policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction.

Today, in the National and Provincial Newspapers, in the wide range of Periodicals and Magazines, on the Posters in Trains, Buses and on Station Platforms—in fact in all our Nation-wide advertising the substance of following guarantee of honest trading and straightforward dealing appears.

## MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/5. This will enable you to see how quickly Cystex gives relief and benefit to health. If difficult to obtain, write giving chemists' name and address to Knox Laboratories Ltd., 29 Duke St., St. James's, London, S.W.1.

Both Cystex and Mendaco are considered of great therapeutic value; do all that is claimed for them, and act quickly. That is why these medicines are so often recommended by one sufferer to others.

Supplies through your usual Wholesaler.

**Cystex**  
THE KIDNEY TONIC

For KIDNEYS, BACKACHE  
RHEUMATISM

**Mendaco**

For ASTHMA  
BRONCHITIS, HAY FEVER

**KNOX LABORATORIES LTD.,**  
**29 DUKE ST., ST. JAMES'S, LONDON, S.W.1**

Phone: Regent 4562



Do you know why

*Skin Deep*

*"does the skin good"?*



Skin Deep advertisements in national newspapers and big circulation magazines claim that Skin Deep "does the skin good."

Though plentiful in extreme youth, the natural substances which keep the skin pliable dry up as the years go by. And when elasticity goes, fine lines come. One method of keeping lines and skin folds away would be for a woman never to laugh, cry, frown or screw up her eyes. A more practical way is by keeping the skin soft, pliable and able to resist wrinkling by the faithful use of Skin Deep.

Made to a carefully tested formula based on a new combination of ingredients, Skin Deep helps the skin to make youthful freshness last. As a foundation by day and a skin food by night, it is perfect for skins of all ages. You can recommend it with confidence.

ATKINSONS  
*Skin Deep*

BEAUTY CREAM

*for day and night use*





‘AVLON’

*brand*

## PENICILLIN LOZENGE B.P.

### For Oral and Throat Infections

Designed for slow disintegration when sucked in the mouth, ‘Avlon’ Penicillin Lozenges provide a convenient, pleasant and effective means of maintaining bacteriostatic concentrations of penicillin in the saliva.

Indicated in the prophylaxis and treatment of infections of the mouth and throat, the lozenges have proved highly effective in ulcerative conditions of the oral mucous membrane, e.g., Vincent’s angina and in pharyngitis, sore throat and laryngitis.

‘Avlon’ Penicillin Lozenges each contain 500 international units of penicillin calcium salt and are issued in convenient air-tight containers of 25.

*Obtainable from your usual suppliers*

**IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.**  
THE RIDGE, BEECHFIELD ROAD,  
ALDERLEY EDGE, MANCHESTER

Ph. 192L



C.N.P.

# English Rose

## cosmetics



### 1 CLEANSING CREAM & VANISHING CREAM

These two creams are retailed at 7/6d. per jar incl. P. Tax.

### 2 COMPLEXION AND CLEANSING LOTION

This lotion, apart from its cleansing properties, acts as a fine powder base. Retailed at 3/9d. per bottle incl. P. Tax.

### 3 NAIL VARNISH

Rose Pink, Light, Medium, Dark and Transparent

Four carefully chosen shades to tone with English Rose Lipsticks. Retailed at 2/6d. per bottle incl. P. Tax.

### 4 LIPSTICK (complete)

Light, Medium, Natural and Dark

Prepared to enhance the natural beauty of the lips. Retailed at 8/4d. incl. P. Tax.

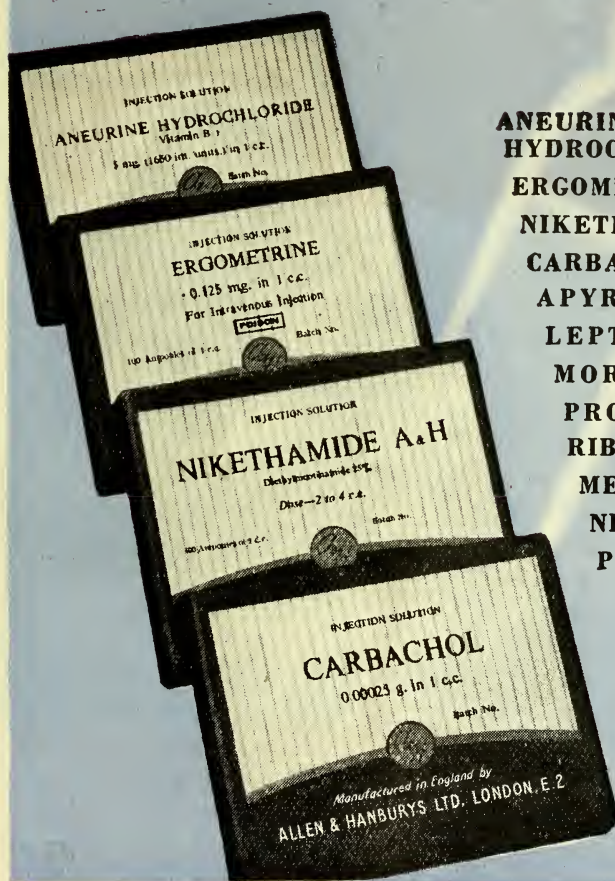
### LIPSTICK REFILLS

Retail Price 2/8½d. incl. P. Tax.

Usual Trade Discounts

C.N.P. Cosmetics Limited  
Wimbledon Factory Estate  
Morden Rd., London, S.W.19

# INJECTION SOLUTIONS



**ANEURINE  
HYDROCHLORIDE.**  
**ERGOMETRINE.**  
**NIKETHAMIDE.**  
**CARBACHOL.**  
**APYROGEN.**  
**LEPTAZOL.**  
**MORAMIN.**  
**PROCTOCAINE.**  
**RIBOFLAVINE.**  
**MENAPHTHONE.**  
**NICOTINAMIDE.**  
**PHENOL in OIL.**

PRICES ON APPLICATION TO

**ALLEN & HANBURY LTD. • LONDON • E.2**

PHONE: BISHOPSGATE 3201 (17 LINES).

WIRES: "GREENBURYS, BETH, LONDON."



And now -  
ANOTHER  
NEW LINE BY

Rimmel

The  
**HANDBAG  
SIZE**  
*Beauty Cake!*

in a smart  
plastic  
container

To satisfy the  
ever increasing  
demand for a  
RIMMEL Beauty  
Cake that is  
handy for use  
always and every-  
where . . .

RETAIL PRICE

**4/6**

INCLUDING  
PURCHASE TAX

AVAILABLE in  
**7** PERSONALITY  
SHADES—

- Peach Glow
- Pink Blossom
- Desert Peach
- Pink Orchid
- Cream Rose
- Hawaiian Tan
- Sable Tan



Makers of the World Famous  
RIMMEL Eye Cosmétique



**IF** you have not  
yet received your  
quota of RIMMEL  
products—  
please write to—

Rimmel

RIMMEL DISTRIBUTORS, 43 North Row, Park Lane, W.1



# Home grown **GREEN EXTRACTS**



## **BELLADONNA, HENBANE Etc.**

EXT. BELLADON. VIRIDE, B.P.C.  
EXT. BELLADON. VIRIDE, B.P. 1898.  
EXT. BELLADON. PULV., B.P.  
EXT. HYOSCYAMI VIRIDE, B.P. 1898.  
EXT. HYOSCYAMI PULV., B.P.  
EXT. HYOSCYAMI VIRIDE, 1st year.

HARVESTING HENBANE ON OUR SUFFOLK FARM.

# StaffAllens

STAFFORD ALLEN & SONS LTD. WHARF RD., LONDON, N.1 Phone: Clerkenwell 1000 (7 lines)



# Trust

## LIPSTICK

The choice of  
"THE WOMAN OF THE WORLD"



- \* Six fascinating shades.
  - \* Velvet smooth texture.
  - \* Indelible - stays fresh & fragrant all day.
  - \* Presented in propelling plastic case...6/6 inc. Tax.
- Refills...2/8 " "

**WORLD DISTRIBUTORS :-**

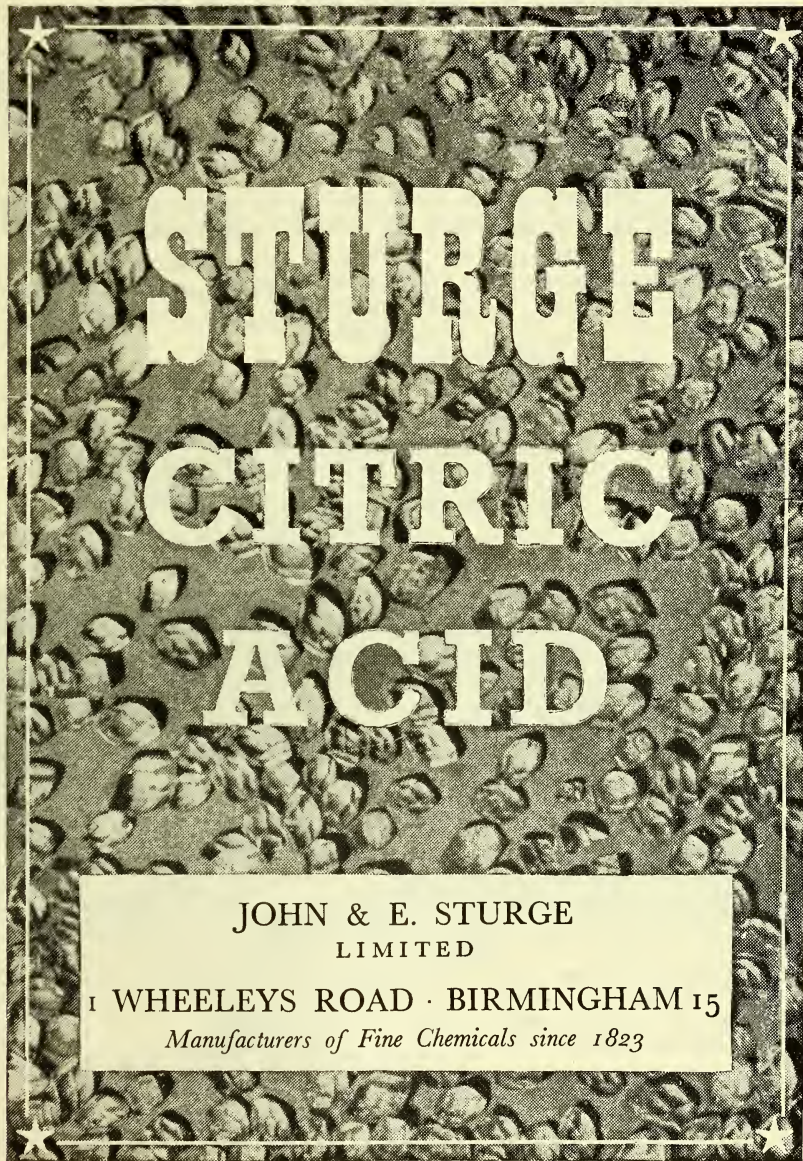
**ANDERSON & REEVES Limited**

157 - 161 · REGENT STREET · LONDON · W-1

Telegrams TRYSTREGE, Piccy, London Cablegrams TRYSTREGE, London Telephone \*REGENT 1051

Sole Distributors in Eire : A. J. GREEN CO. LTD., 3 Sir John Rogerson's Quay, Dublin, Eire,





**STURGE**  
**CITRIC**  
**ACID**

**JOHN & E. STURGE**  
**LIMITED**

**1 WHEELLEYS ROAD · BIRMINGHAM 15**  
*Manufacturers of Fine Chemicals since 1823*



# 'DEXEDRINE'

## The Central Nervous Stimulant of Choice

'Dexedrine' (dextro-amphetamine) is the dextrorotatory isomer of 'Benzedrine' (racemic amphetamine). The tablets, which have long been widely and successfully used in America for the treatment of depression and obesity, have now been introduced to the medical profession in England. Be sure you hold adequate stocks to meet prescription demands. Each tablet contains 5 mg. dextro-amphetamine sulphate.

(Schedules I and VII.)

In packs of 24 tablets.

Retail price 4/9 each  
including Purchase Tax.

Trade price 38/- per doz.  
plus 6/4 Purchase Tax.

### MENLEY & JAMES LIMITED

123 Coldharbour Lane, London, S.E.5.

D.T1

*In these trying times —*



#### INDICATIONS

General fatigue and debility,  
hypertension, infective conditions,  
night blindness.

#### PACKINGS AND PRICES

100 tablets .. .. .	3/4½
300 tablets .. .. .	9/6

(Including Purchase Tax) **PATA** List

## CAROVIT

BRAND

### CHLOROPHYLL TABLETS

101 Great Russell St. LONDON, W.C.1  
Telephone: MUSeum 2042-3

CONTINENTAL LABORATORIES LTD



IT'S A PLEASURE TO SELL  
A LINE LIKE

# MOTHAKS

The Leading Moth Damage Preventive



**Attractive — Effective — Profitable**  
and backed by a great advertising campaign  
throughout the year.

**8d. for a bag of 8**

Sole Makers:

**THOMPSON & CAPPER WHOLESALE LTD.**

Speke Hall Road, LIVERPOOL, 19

Telephone: HUNTS CROSS 1321

Telegrams: 'SANITAS, LIVERPOOL'

QUALITY

A  
**PENTNOR**  
REGD. TRADE MARK

PRODUCT



**4** world famous lines!

These "PENTNOR" Fine Tonic Lotions in

**EAU-de-QUININE**

**EAU-de-PORTUGAL**

**EAU-de-COLOGNE**

**BAY RUM**

stand second to none in Quality and Reliability, and are true tonics for the hair and scalp.

The confidence and appreciation expressed by users everywhere, fully justifies the great care taken in the production of these "PENTNOR" TONIC LOTIONS.

All enquiries for "PENTNOR" Preparations and "RUFCO" Saloon Products, to:—

**RUFF & CO. (SALES) LTD.**

(T. L. SECTION)

**130 Atkins Road, London, S.W.12**

Makers of Fine Toilet Preparations since 1910

GROUND

**DRIED YEAST**

**MIDGLEY & PARKINSON, LTD.**

**WARREN WORKS, PUDSEY, LEEDS**

**HARRINGTONS** Brand

**ASPIRINS**

7½ & 5 grain

Packed 10's to 1,000's

HOME AND EXPORT

London Office: 2 BERRIDGE Grn., EDGWARE, LONDON

**SHADEINE**  
FOR GREY HAIR

FIFTY YEARS'  
REPUTATION

All shades. Two sizes only at present. Retail prices 2/6d. and 4/10 (including purchase tax).



**STOCKED BY ALL LEADING WHOLESALE**

**TAP! ... and the Powder is there...**

Shake as you will, the powder cannot escape—one tap on the disc and Presto!—there is the powder ready for use. The all-metal "Non-Spill" Powder Compact is finely constructed with no sifter to replace, and finished in a variety of attractive designs.

**The "NON-SPILL" Modern Powder Compact**  
(Patented) Telephone: Blackfriars 017/8 (British Made)  
Wholesale, Retail and Export enquiries to Sole Distributors:  
**MADELOX LTD. (Dept. A), 168 Corporation St., Manchester, 4**





# Potter's

## IODINE



CONTINUOUS RESEARCH

## & IODIDES

Progress, and with it experience, is necessary to give confidence to customers during these days.

We have made that progress, and gained with it that experience which enables us to give the best possible service to all in the trade.

### POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1

BIShopsgate 4761

77 DANTZIC STREET, MANCHESTER

BLackfriars 8734



# KODENO BONUS OFFER CLOSES 30<sup>th</sup> JUNE

National and Local Advertising Starts This Week

Minimum bonus parcel: 3 dozen @ 9/7½d. dozen  
Additional discount on 6 dozen or over: 5%

**PATA**

**KODENO**

CHEMISTS ONLY

TABLETS

the new codeine compound — retail price 1/5d. (incl. tax)

Have you sent in your order card? If not, fill it in TODAY  
for execution direct or through your usual wholesaler.

SOLE DISTRIBUTORS IN GREAT BRITAIN

CROSS & MAX LTD. 17/18 BISHOP'S COURT, LONDON, E.C.4

A product of the English Pharmaceutical Company Ltd.



**Eau de Colognes  
and Beauty Aids**

MADE IN ENGLAND

All enquiries to:—

R. J. REUTER COMPANY, LTD.  
"4711" FACTORY, SLOUGH, BUCKS

**PATA**

**POWDER  
PUFFS**

Finest-Quality

the sign for  
quality products  
MADE IN  
ENGLAND

**'FABULO'**

The well known Metal Curlers

Both lines our own manufacture

TWEEZERS, NAIL FILES, SCISSORS  
(All kinds), TOOTH BRUSHES, NAIL  
BRUSHES, ALL KINDS OF COMBS,  
HAIR GRIPS and HAIR NETS, BEST  
QUAL. LACQUER, REMOVER, etc.

Ask for Price List

**HAETAM LTD**

63 CORPORATION STREET, MANCHESTER, 4



# The 'Borofax' Bonus

## means 67% profit on outlay

A bonus of 13 to the dozen is offered on three dozen assorted lots, one dozen or more to be large size. In addition, to chemists ordering three bonus parcels, three large jars are included free. A new, arresting showcard is issued with each order. Good stocks are available.

### PARCEL A

<b>3 DOZEN JARS</b>	s. d.
(Purchase Tax extra)	42 0
2 doz. large @ 1/9 =	12 0
1 doz. small @ 1/- =	54 0
	3 6
	1 0
Bonus 2 large	58 6
1 small	36 0
Your return	36 0
Your outlay	22 6
Your <b>PROFIT</b>	
Profit on outlay = 62%	

### PARCEL B

<b>9 DOZEN JARS</b>	s. d.
(Purchase Tax extra)	126 0
6 doz. large @ 1/9 =	36 0
3 doz. small @ 1/- =	162 0
	10 6
	3 0
Bonus 6 large @ 1/9 =	5 3
3 small @ 1/- =	180 9
Extra Bonus	108 0
3 large @ 1/9 =	72 9
Your return	
Your outlay	
Your <b>PROFIT</b>	
Profit on outlay = 67%	

# 'BOROFAX'

BRAND

## OINTMENT

List prices: Glass jars, 1/- plus 1½d. purchase tax, and 1/9 plus 2½d. purchase tax. (Subject to trade discount)



**BURROUGHS WELLCOME & CO.** (The Wellcome Foundation Ltd.) **LONDON**

# WARRICK BROS., LTD.,

INCORPORATING—MADDOCKS & CO.—R. HENDRIE & CO.

ESTABLISHED IN 1766

**MAKERS OF FINE PRODUCTS**

**CAPSULES**

**LOZENGES**

**PASTILLES**

**OINTMENTS**

**PILE PREPARATIONS**

PACKED IN A MANNER WORTHY  
OF YOUR PHARMACY.

MANY PRODUCTS CAN BE SUPPLIED WITH  
CUSTOMER'S OWN NAME AND ADDRESS.

SPECIAL FORMULAE, PACKINGS & LABELS.  
OUR UNIQUE EXPERIENCE IS AT YOUR DISPOSAL.

**4, 6, 8 & 10, NILE STREET,**

**LONDON. N.1.**





# The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND, LONDON."

Telephone: CENTRAL 6565 (10 lines)

## CONTENTS

Business Changes ... ..	713	Local News ... ..	704
Coming Events... ..	732	Marriages ... ..	710
Company News ... ..	709	Miscellaneous Inquiries ... ..	726
Correspondence ... ..	725	News of the Week ... ..	703
Deaths ... ..	710	Overseas Trade News ... ..	727
Editorial Articles:—		Personalities ... ..	711
Momentous? Tragic? ... ..	719	Pharmaceutical Society of Ireland:	
Cost of Living and the Chemist... ..	719	Council Meeting ... ..	714
Time Limps Along ... ..	720	Pharmacology ... ..	723
The Problem of Leprosy ... ..	721	P. A. T. A. ... ..	713
Fifty Years Ago ... ..	724	The Feet and the Pharmacist ... ..	722
Huddersfield Discussion on Educa-		The Week in Parliament ... ..	708
tion ... ..	717	Topical Reflections ... ..	707
Information Wanted ... ..	718	Trade Marks ... ..	732
Irish News ... ..	705	Trade Notes ... ..	712
Joint Committee and N.P.U.—Mr.		Trade Report ... ..	728
Wilson Speaks Out ... ..	716	Ulster Chemists' Association ... ..	724
Legal Reports ... ..	706	Wills ... ..	710

## NEWS OF THE WEEK

**Cork Trade Export Group Formed.**—Fourteen firms, members of the Cork Trade Association, have formed the Cork Trade Export Group. Mr. R. R. Winch has been appointed secretary and the offices are at Alie Street, London, E.1.

**Chemists' Trade in April.**—Sales by independent chemists in April were practically the same as in March, and, as recorded for most previous months, were 11 per cent. higher than a year ago. The percentage is almost exactly the same as that recorded for chemists' wares sold by large-scale retailers. For the period February-April the rise is nearly 10 per cent. for independents and 9 per cent. for large retailers.

**Soap Rationing.**—Coupons available during ration period No. 13, which begins on June 22, are the two upright pairs of small squares numbered K 49/50 and 51/52 on the large square number 13. In ration books R.B.1 and R.B.4 the coupon numbered 49/50 is worth one ration and the coupon numbered 51/52 two rations of soap. The two whole coupons in ration

book R.B.2 are each worth two rations of soap.

**Exhibition of Scientific Instruments.**—"Precisely Yours," an exhibition of British Scientific Instruments presented by the Ministry of Supply with the co-operation of the Scientific Instrument Manufacturers' Association, was opened recently at Charing Cross Underground Station, London, and will remain open until July 3. The exhibition, though small, gives an idea of the tremendous strides taken by the scientific instrument industry and shows the contribution which it has made to the export drive.

**Confectionery "Off the Ration."**—At the annual conference of the National Union of Retail Confectioners recently, a resolution was passed "viewing with concern the sale of sweets and sugar confectionery off the ration at exorbitant prices under the name of medicated sweets." When the resolution was moved it was pointed out that no objection was taken to the sale of legitimate medicated sweets; the resolution was designed to restrain

abuses said to be committed largely by street and market-place traders.

**N.H.S. Time-table Modified.**—Following the Prime Minister's recent announcement that "the appointed day" for purposes of the National Health Service Act would be July 5, 1948 (see *C. & D.*, June 14, p. 681), the Minister of Health has circulated to local authorities the following amended time-table of the latest dates for the submission of proposals:—Care of mothers and young children (section 22), midwifery (section 23), health visiting (section 24), home nursing (section 25), prevention of illness, care and after-care (section 28), domestic help (section 29), duties under Lunacy and Mental Treatment Acts and Mental Deficiency Acts (section 51), October 31, 1947; health centres (section 21), December 31, 1947.

**Leprosy Exhibition.**—An exhibition organised by the British Empire Leprosy Relief Association was held in London recently. The displays dealt with many aspects of leprosy—a disease affecting some two million British subjects—including factors favourable to the spread of the disease (e.g., malnutrition and overcrowded living conditions); characteristics of the disease and its lesions; and modern leper settlements. Medicaments available for fighting the disease which were illustrated included samples of chaulmoogra oil and Diasone, a sulphone preparation (disodium formaldehyde sulphonylate 4.4', diamino diphenyl sulphone) presented for oral administration by Abbott Laboratories (Eng.), Ltd., and which is proving of use in leprosy treatment. The exhibition is to visit a number of other centres throughout the British Isles during the next two years.

## LOCAL NEWS

**Liverpool Talk on Market Research.**—The benefit of market research to the manufacturer and the retailer was described by Mr. A. K. Chappell at a meeting of Evans Scientific Society, a discussion group organised by Evans Medical Supplies, Ltd., in Liverpool on May 30.

**Newcastle and Northumberland Officers.**—The following have been appointed officers of the Newcastle and Northumberland Branch of the Pharmaceutical Society for 1947-48:—*President*, Mr. H. Thom; *Vice-president*, Mr. A. McGuckin; *Treasurer*, Mr. J. Ridley; *Secretary*, Miss K. Bell, 38 Eslington Terrace, Newcastle-on-Tyne, 2.

**Liverpool Executive Council.**—The Executive Council for Liverpool, constituted under the National Health Service Act recently, includes Alderman W. Tristram, M.P.S. (nominated by the local health authority) and Messrs. G. L. Chul M.P.S. and J. L. Hirst, M.P.S. (nominated by the Liverpool Pharmaceutical Committee).

**Hull Officers.**—At the annual meeting of the Hull Chemists' Association a Branch of the Pharmaceutical Society recently, the following officers were appointed:—*President*, Mr. B. Foster; *Senior Vice-president*, Mr. J. Harrison; *Junior Vice-president*, Mr. J. Barrit; *Secretary*, Mr. J. Small, 3 Allderidge Avenue, Hull; *Minute Secretary*, Mr. K. Clappison; *Social Committee*, Mrs. E. Brocklehurst, Miss P. Harrison, Mrs. T. L. McNicol, and Miss E. Palmer; *Committee*, Messrs. Bays, R. J. Barrett, E. A. Brocklehurst, W. T. Brown, G. J. Hall, G. Hind and Hindle.

**Scottish Chemists' Bowls.**—The annual rink competition for the Ayrton Saund challenge trophy was held in Kirkcaldy, June 4, ten rinks taking part. The West of Scotland secured a majority of twenty-nine shots, the totals being West 111, East 82. Highest up rink (13 up) consisted of Messrs. J. L. Thomson, J. A. Nisbet, J. Menzies and W. Peebles, the rink receiving the trophy, with prizes for the individual members. Runners-up were Messrs. D. M. Dick, D. Cothill, J. C. Murdoch and J. W. Logie who received prizes donated by W. & A. Hatrick, Ltd. Following the game an annual meeting of the Association was held, Mr. D. M. Dick presiding. Officers for the year were elected as follows:—*President*, Mr. J. W. Logan; *Vice-president*, Mr. Walter Ferrier; *Secretary and Treasurer*, Mr. W. Peebles; *Committee*, Messrs. Hendry, J. L. Thomson, A. W. Calder and D. M. Dick.

**Talk on New Zealand Pharmacy.**—A talk on pharmacy in New Zealand was given at the annual meeting of the Harrogate Branch of the Pharmaceutical Society on June 12 by Mr. H. M. Westwood, a New Zealand pharmacist. Mr. Westwood said that the national health service in New Zealand had proved of benefit to the community and there had been no clash with pharmaceutical interests. After comparing pharmaceutical conditions in New Zealand and Great Britain, the speaker said Britain was looked to for guidance in education



Policy and technical advances. A vote of thanks was proposed by Mr. T. B. Robinson and seconded by Mr. E. C. Meredith. The following officers were then elected:—*Chairman*, Mr. J. M. Atkinson; *Vice-chairman*, Mr. R. Goode; *Treasurer*, Mr. F. Conduit; *Secretary*, Mr. H. W. Tomski, 21 Hillcroft Avenue, Pinner, Middlesex; *Deputy Secretary*, Miss D. I. Morgan.

## IRISH NEWS

**Dublin Strike Negotiations.**—At the time of going to press, further negotiations are taking place in an attempt to resolve the strike of wholesale drug employees in Dublin (see *C. & D.*, March 8, p. 328), but settlement had been reached.

**Lectures to Dublin Students.**—At the College of the Pharmaceutical Society of Ireland the second of a series of lectures sponsored by the Students' Representative Council was given recently by Professor Wyley Butler who read a paper on "The Application of Science to Industry," with special reference to the death watch beetle. The lecture was illustrated by lantern slides. On a later date Mr. P. A. Brady (vice-president, Pharmaceutical Society of Ireland) read a paper on "Pharmacy in Old Dublin," including references to such historical events as the inauguration of the Apothecaries' Hall, and the founding of the Pharmaceutical Society of Ireland.

**Belfast Pharmacy Courses.**—Pharmaceutical students attending the Belfast College of Technology may be affected by decision of the technical instruction subcommittee of Belfast Corporation that,

owing to the congestion in all classes, students living outside the city boundary will not be accepted. There is a proviso, however, that where country students can produce a voucher from their own authority certifying that suitable classes are not available locally, they will be admitted to the Belfast College where the course for Part II of the Pharmaceutical Society of Northern Ireland's examination is usually taken.

**Ulster Chemists Golf.**—The Ulster Chemists' Golfing Association's annual competition for the McMullan cup took place at Castlerock on June 4 with fifty-six competitors. Mr. C. Connolly won the trophy by defeating Mr. A. T. Hardy in the final 2 and 1. The non-retailers' competition was won by Mr. R. Quiry, with Mr. J. R. Jeffers runner-up. Mr. R. A. Clarke won the afternoon bogey competition, with Mr. W. J. Kennedy second. At the annual meeting of the Association, held the same day, Major F. A. McMullan (chairman) welcomed members and paid tribute to the work of Mr. J. McClenahan who had recently resigned from the secretaryship. Mr. F. D. McMullan was elected *President*, and Major McMullan and Messrs. R. B. Groves, and W. J. Rankin, *Vice-presidents*, on the proposals of Messrs. H. McCracken and H. Marshall. The *Committee* was re-elected with the addition of Messrs. C. Hall and W. G. Kennedy to fill vacancies caused by the retirements of Messrs. S. H. Forrest and J. R. Guiler. Mr. J. A. McRoberts was elected *Treasurer*, and Mr. W. H. Boyd *Secretary*. Mr. E. Allen was elected captain of the B.D.H. cup team.



**INTER-IRISH FOOTBALL.**—During a recent visit to Dublin (see *C. & D.* June 14, p. 674), pharmaceutical students from Belfast played a football match against a team representing their hosts, the Dublin students. The two teams (Dublin with dark shirts, Belfast with white) are shown above.

## LEGAL REPORTS

**Napkins Into Face Cloths.**—Accused by the Board of Trade at Croydon on June 13 of illegal transfer of clothing coupons, and of using utility (controlled) material in the conversion of babies' napkins into face cloths, William Parmiter Cole, trading as Vincent & Co., chemists, 1347 London Road, Norbury, London, S.W.16, and his manageress, Mrs. Beatrice Mary Parsons, both pleaded guilty. Prosecuting solicitor disclosed that Mrs. Parsons discussed with Cole the making of face cloths to meet the shortage. She bought two packets of babies' napkins, using coupons she said she had obtained at 1s. 6d. each from a stranger she had met casually in the West End of London. The cloths were sold in the shop at 2s. each which, according to the prosecution, left a profit of 1s. 5d. each. Mrs. Parsons knew no more of the vendor of the coupons than that he came from Newcastle; she was reimbursed for them by her employer. Manufacture of face cloths from controlled material had been prohibited since 1941. The offence was discovered when a Board of Trade accountant was in the shop on January 17, and saw eight face cloths exposed for sale. In mitigation, it was urged that there was no suggestion of black market transactions. Everything was openly done, except for the acquisition of the coupons. Mr. Cole had been at Norbury for twenty-seven years without previous complaint. Each defendant was fined £10 for the coupon offence, and £1 on the other summons. Mr. Cole was ordered to pay £5 5s. costs.

**Authority for a Poisons Rule.**—When Messrs. G. Wilson and C. Clark, trading as nurserymen at 223 The Broadway, Cricklewood, were summoned at Willesden police court on June 9, under the Pharmacy and Poisons Act, 1933, for alleged offences in connection with the selling of nicotine in fumigating shreds, the suggestion was made that the Home Secretary had acted *ultra vires*. The hearing of the summonses against Clark was adjourned *sine die*, but the case against Wilson proceeded. Wilson's counsel objected that the Secretary of State was empowered only to make Rules dispensing with or relaxing provisions relating to poisons, and had no power to impose additional restrictions on the sale of a Part II poison (nicotine). Rule 6 (by which nicotine is included in the First Schedule to the Rules and is subject to special restrictions relating to the persons to whom

poisons may be sold and the keeping records of sales) was therefore *ultra vires* the Minister's powers. In reply, it was represented that Section 23 (1) (b) (i) of the Act gave the Secretary of State power to regulate or restrict the sale of poisons to listed persons. That was what he had done. Fines totalling £12 were imposed against Wilson, with £2 2s. costs.

**Trade Mark Appeal Dismissed.**—The Court of Appeal, London, dismissed on June 11 an appeal by A. Wander, Lt. Queen's Gate, London, S.W.7, from a judgment given in the Chancery Division on November 13, 1946, affirming the registration as a trade mark for sulphadiazine preparations of the word Diasil, applied for by Bayer Products, Ltd., Waterloo Place, Pall Mall, London, S.W.1. Appellant's complaint was that the word so nearly resembled their own trade mark Alasil (registered in respect of preparations in which acetylsalicylic acid formed the basis) as to be calculated to deceive and cause confusion in the mind of the public. For the appellants, it was represented that the judge held that, as sulphadiazine preparations were of a poisonous character, and their distribution and sale were regulated by the Pharmacy and Poisons Act, 1933, special circumstances were created that would avoid the possibility of deception and confusion. Bayer Products, Ltd., had put nothing on the market under the mark Diasil, and it was pointed out that there were many word marks registered in the pharmaceutical class that ended in "sil" or "syl." The Master of the Rolls, giving judgment, said it had been argued that too much weight was attached by the Assistant Comptroller of Trade Marks, and by the Chancery Division judge, to the fact that sulphadiazine preparations were subject to the Pharmacy and Poisons Act. His lordship said he did not agree. Once that position was reached where only a doctor could order, and only a chemist supply, sulphadiazine preparation on a written prescription, there was an assurance that that article was going to pass through the hands of a skilled person. That was sufficient to prevent any reasonable probability of deception and confusion would be caused in the minds of the public between the words Diasil and Alasil. He thought that the appeal should be dismissed. Lords Justices Cohen and Asquith agreed, and the appeal was dismissed, with costs.



## TOPICAL REFLECTIONS

### An Interesting Council Meeting

The election of Mrs. Irvine as president of the Pharmaceutical Society (pp. 690, 695) is a significant event. Her assumption of office brings the Society into line with other learned bodies which have recognised the claims of women to the highest honours; and she enters on her duties with many good wishes. In reading old plays and romances, I have often thought that the balance of psychological interest inclines too far to the male side: the women are less developed, less human, than the men. The gradual redressing of this balance, from about 1750 onwards, may be regarded as an index of a corresponding change in our social climate—a change, by general consent, for the better. Mrs. Irvine takes over from her predecessor in the chair some problems that the exercise of her tact may succeed in solving. One such matter was raised at the recent Council meeting: to refer to discussion of many reports in committee. This is an old grievance that should be dealt with boldly. So much has been written about it that I need not go over the ground again at the moment. The announcement that the Society is committed to heavy annual payments in respect of its College must have come as a shock to those members who had not seen a previous intimation. Some years ago I suggested the disposal of the College before it became a heavier burden. That suggestion fell on deaf ears; and even now the Finance Committee of the Council does not seem certain that we know the worst. Too high a price can be paid for prestige.

### A Remarkable Microscope

More will no doubt be heard of the new microscope shown at the annual conference of the Royal Society (pp. 682-83). As is well known, there has hitherto been a gap between what is disclosed by the "lens" microscope and what is disclosed by the electron microscope. I gather that the principle from which the new instrument starts is that mirrors have the same optical relation to all wavelengths of light. As your readers will have noticed, mirrors do the work of lenses in this apparatus. The old microscopes illustrated on p. 683, and others like them, are often ingenious and occasionally elegant, but lack sufficient precision for modern demands. Microscopical research has been closely associated with the Royal Society from its early years. Malpighi, Leeuwenhoek, Hooke and Grew published

results under its auspices. Hooke's "Micrographia" appeared in 1664, soon after the Society had received its first charter. Histological discoveries by Grew and Malpighi followed in quick succession, throwing much-needed light on animal and vegetable tissues. Samuel Pepys, who is a competent witness if not a very serious student, has recorded in his Diary for January 22, 1664: "Before I went to bed I sat up till two o'clock in my chamber reading of Mr. Hooke's 'Microscopical Observations,' the most ingenious book that ever I read in my life." Hooke's introduction to that book indicates his hopes for the future of science; and his work as an official of the Royal Society is of definite importance in scientific annals. Coming to recent years, the sensation caused by the microscope (another Royal Society exhibit) designed by Mr. Barnard is still fresh in mind; and now a further advance in microscopy is promised. The making of instruments of this type is, naturally, a laborious and costly process on account of the extreme accuracy demanded.

### The Green Man

Memories of some wayside inn seen in passing are suggested by the words at the head of this paragraph: the name is said to be derived from the circumstance that the coat of the mediæval forester was usually green. We are not concerned here, however, with that but with the action of Kiton fast green V, mentioned as a diagnostic agent in a paper by Mr. T. D. Whittet (p. 692). On receiving an injection of it, we read, "The patient gradually assumes a greenish colour . . . the face being deeper than the rest of the body. During the first half-hour the colour deepens . . . generally disappearing within eight to ten hours." The patient is, no doubt, kept under observation till the reaction is complete: a procession of green-faced men leaving a hospital in broad daylight might attract unwelcome attention. Discoloration of the skin in some pathological conditions is a trouble to be endured with what philosophy a patient can muster. One instance is the yellow of icterus; another is the slate-colour of argyria. The device of facial disguise in an emergency has been used by Shakespeare. In Act I, Scene iii, of "As You Like It" he makes Celia say, when she is arranging flight from her father's court: "I'll put myself in poor and mean attire, And with a kind of umber smirch my face."

**Xrayser**

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE Finance Bill, which entered its Committee stage on June 10 and 11, brought a vigorous protest against the continuance of the standard rate of income tax at 9s. in the £ from MR. GURNEY BRAITHWAITE. MR. H. DALTON (Chancellor of the Exchequer) replied, "I should be disappointed if we could not get a reduction in due course."

The profits tax was assailed by MR. DAVID ECCLES. It meant, he said, that every year every company would have to wrestle with two computations—one for income tax and the other for profits tax. It would have been better to put another shilling on income tax in respect of company earnings, or to instruct all companies to hold back a percentage of dividends; that was done in other countries and was much fairer. MR. DALTON replied that the course would have involved a further differentiation within the income-tax scheme.

### Purchase Tax Items

Again in the committee stage of the Finance Bill on June 17, MR. H. N. Linstead moved an amendment to remit purchase tax on medicines and medical and surgical appliances. MR. J. BAIRD urged remission of purchase tax on tooth-brushes, at present classified with nail-brushes as "aids to beauty." MR. W. G. HALL (Financial Secretary to the Treasury) said the tax on tooth-brushes and paste did not constitute an excessive burden on the individual. Taxed medicines were those not essential to the life of the community and taxed appliances were those impossible to classify as particularly applicable to hospitals. Exemption would cost the Exchequer £9,000,000. Mr. Linstead's amendment was, by leave, withdrawn. An amendment to exempt tooth-brushes from purchase tax was defeated by 257 votes to 107. An amendment moved by MR. J. REEVES to exempt 16-mm. cine projectors from purchase tax was accepted by MR. HALL, who said the cost would be £100,000.

### Transport Bill in Lords

The Transport Bill had a rough start in its Committee stage in the House of Lords, with several Government defeats. One amendment carried against the Government deleted that subsection of the Bill which

states that, in framing programmes of re-organisation or development involving substantial outlay on capital account, the Commons should act on lines settled from time to time with the approval of the Minister. The committee stage continues.

### Linseed Oil

In the House of Commons on June 9 COLONEL J. R. H. HUTCHINSON asked the Minister of Food whether his department had made any attempt to secure surplus linseed oil in Holland. MR. JOHN STRACHEY: Recent reports that Holland had surplus linseed proved to be untrue.

COLONEL HUTCHINSON: Is the Minister satisfied that the allocation as between Holland and this country is fair in all circumstances?—MR. STRACHEY: I am seldom, if ever, satisfied with an allocation, and am always pressing to get a higher one. Mr. Strachey continued that he had not seen a report that bulk purchasing arrangements had enabled Britain to buy linseed oil more cheaply than her competitors "but it is perfectly true that many of our competitors consider that we have purchased a very much larger share of the linseed oil available and at a very favourable price." He informed the same questioner on June 14 that there was no prospect of obtaining linseed oil from the U.S.S.R.

### Soap, Household and Toilet

MR. V. J. COLLINS asked the Minister of Food on June 9 if he was aware of an extreme shortage in Taunton of white and carbolic soap for cleaning and washing but that toilet soap was more easily obtainable and whether he would take steps to remove the inequality. Was the Minister further aware that some manufacturers of toilet soap were making offers to retailers who had no entitlement, and was there not some connection between that fact and the present shortage of white and carbolic soap?

MR. STRACHEY replied that he had asked manufacturers to increase the proportionate output of hard soap, but they had not yet caught up with the production lost during the fuel crisis. "I believe they will be able to do so now." He promised to look into a general shortage of soap flakes and soap powder.



### Soft Drinks Prices

On June 11 Mr. WILSON HARRIS asked the Minister of Food what relations existed between his Department and the soft drinks industry, and if he would fix a lower maximum price for S.D.I. products. DR. EDITH SUMMERSKILL (Parliamentary Secretary): The soft drinks industry operates under a concentration scheme administered by the Soft Drinks Industry (War-time) Association, the committees of which are elected by the industry. Two representatives of the Minister possess over-riding voting powers. The present maximum prices have been in force since 1943 and are now under review on a claim by the industry that their costs

have increased since that time. No decision has yet been given.

### Penicillin Bill Read a Third Time

The Penicillin Bill received an unopposed third reading on June 12, after Mr. E. P. SMITH had objected to its drafting, declaring that it gave the Minister of Health the power to control substances which at present might not even have been discovered, limited the use of penicillin to duly qualified medical practitioners, but barred those who had been struck off the Register, and those who had resigned from it, while any Minister of the Crown could obtain an unlimited supply.

## COMPANY NEWS

**ZEBS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Stanley Z. Jackson signs as director. R.O.: 27 East Parade, Leeds, 1.

**PADDON, WATTS & Co., LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists and druggists, opticians, etc. Samuel T. Paddon, M.P.S., and Isabel Paddon, directors. R.O.: 598 Attercliffe Road, Sheffield, 9.

**CHARLES CHEMISTS, LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, druggists, opticians, etc. Mrs. Joanna Capper, M.P.S., and Hans E. Eilenberg, directors. R.O.: 45 Waddon Road, Croydon.

**JOHN KERR (DETERGENTS), LTD. (P.C.).** Registered in Edinburgh. Capital £2,000. To carry on the business of chemical manufacturers, etc. First directors are not named. R.O.: 268 Mathieson Street, Glasgow.

**APROLA, LTD. (P.C.).**—Capital £3,000. To carry on the business of manufacturers of, and wholesale and retail dealers in, chemicals, drugs, etc. George T. Waring and Mrs. Joan M. Waring, directors. R.O.: 28 Kennedy Street, Manchester, 2.

**LAMEL, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Lionel H. Lamoon, Audrey M. Lamoon and John G. W. Yager, M.P.S., directors. R.O.: 19 Marefair, Northampton.

**FRANK LEDSHAM, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists. Frank H. Ledsham, M.P.S. and Alfred H. Ledsham, directors. R.O.: 191 Kingston Road, Ewell, Surrey.

**W. H. KENDREW, LTD. (P.C.).**—Capital £3,000. To acquire the business of a chemist and druggist carried on by W. H. Kendrew. W. H. Kendrew, M.P.S., Margaret A. Kendrew and T. J. Kendrew, directors. R.O.: 50 Ash Street, Southport.

**BIO-COSMETICS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing and research chemists, etc. C. T. Howard and Lucien F. A. Howard, directors. R.O.: 310 High Holborn, W.C.1.

**IVOR OWEN, LTD. (P.C.).**—Capital £500. To acquire the business of a chemist and druggist carried on at 5A Cornerswell Road, Penarth. Elizabeth J. Owen and Elwyn Owen, M.P.S., directors. R.O.: Bank Chambers, Wellfield Road, Cardiff.

**VOCALZONE Co., LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. William Lloyd, John M. Lloyd and Marion L. Lloyd, directors. R.O.: 12 Lammas Street, Carmarthen.

**A. P. SAMPSON, LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Aubrey P. Sampson, M.P.S., Edna M. Sampson and Percy Caswell, M.P.S., directors. R.O.: 83 High Town Road, Luton.

**W. H. PRICE, LTD. (P.C.).**—Capital £1,000. To acquire the business of a chemist and druggist carried on by Ethel Price. Ethel Price, Kenneth W. Price, Queenie E. Attwood and Marjorie A. Ormerod, directors. R.O.: Comberton Hill Pharmacy, Kidderminster.

**CULINA PRODUCTS, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing and dispensing chemists and druggists, etc. George W. Marsden and Kathleen M. Marsden, directors. R.O.: 37 Dryclough Road, Crossland Moor, Huddersfield.

**JAMES WOOLLEY, SONS & Co., LTD.**—Mr. George Stephen Woolley has been appointed chairman of the company.

**BENGERS, LTD.**—Profit for the year 1946 amounted to £32,954, as against £28,988 in the previous year. A final dividend of 7½ per cent. is recommended, making 10 per cent. for the year, the same as in 1945.

## MARRIAGES

**FOWLER—MITCHELL.**—At Leicester, on June 7, Harold William Fowler, Ph.C. (a director of Sturton & Sons, Ltd., 78 Bridge Street, Peterborough) to Joan Hilda Mitchell, Leicester.

**ROBINSON—MONAGHAN.**—At Glasgow, on June 2, Eric Robinson, M.P.S., 5 Broadway Parade, North Harrow, Middlesex, to Agnes McCulloch Monaghan, M.A., Twechar.

**Golden Wedding.**—**CARTWRIGHT—HALL.**—In Edinburgh, on June 10, 1897, Benjamin Cartwright, M.P.S., to Mary Ann Hall. Present address: 15 Scott Crescent, Galashiels.

## DEATHS

**CHURCH.**—On May 27, Mr. Edward Harry Church, 53 Glyson Road, Cambridge, aged eighty. Mr. Church qualified in 1888 and passed the Pharmaceutical Chemist examination the following year.

**DAVIES.**—On June 3, Mr. Henry John Davies, M.P.S., 134 Goldhawk Road, Shepherds Bush, London, W.12, aged seventy-five.

**DUCK.**—On June 11, Mr. Richard Weatherill Duck, M.P.S., Four Winds, Westfield Avenue, Whitchurch, Glam, aged fifty. Mr. Duck was the son of the late Mr. W. G. Duck, M.P.S., St. John's Square, Cardiff.

**GRAY.**—On June 14, after an illness lasting several months, Mr. John Warren Gray, J.P., president of the Pharmaceutical Society of Northern Ireland. Mr. Gray served his apprenticeship in Dublin, and qualified in that city. He afterwards entered the business founded by his father (the late Mr. John Gray, Armagh). He was co-opted to the Council of the Society in 1936, holding previously held

office as treasurer and vice-president before attaining the presidency. He is survived by his widow.

**HENDERSON.**—At 52 Prestwick Road, Ayr, on June 10, Mr. John McGregor Henderson, Ph.C., 71 High Street, Ayr. Mr.

Henderson qualified in 1900 and passed the Pharmaceutical Chemist examinations in 1902.

**KIERNAN.**—At St. Bartholomew's Hospital, London, E.C.1, on June 10, after a short illness, Mr. Francis Anthony Kiernan, M.P.S., 5 The Orchard, Welwyn Garden City, aged fifty-one. Mr. Kiernan was chief assistant pharmacist to St. Bartholomew's Hospital. A native of Manchester, Mr. Kiernan qualified as a chemist and druggist in 1920.

**PRIDDEY.**—Suddenly, on June 1, Mr. George Robert Priddey, M.P.S., chief pharmacist at the Manchester Royal Infirmary, aged sixty-one.

**PROCTER SMITH.**—At 7 Brambledov London, N.4, on June 7, Mr. H. Procter Smith, A.R.I.C., F.C.S., for many years chief chemist to John Summers & Son, aged seventy-one. He was the father of Mr. H. Procter Smith, M.P.S. (Herts Pharmaceuticals, Ltd., Welwyn Garden City).

**RUBECK.**—At the Chatelet, Balcombe Road, Horley, Surrey, on June 2, Mr. Gustav Rubeck, aged eighty-three. Mr. Rubeck was the proprietor of G. Rubeck & Co., shellac merchants, 1 Leadenhall Street, London, E.C.3. The funeral took place from St. Bartholomew's Church, Horley, June 5.

**SLEIGHT.**—On May 21, Mr. Fred Sleight, 3 Lansdown Place, Clifton, Bristol, 8. Mr. Sleight qualified in 1889.

**WOOLER.**—At 17 Eastgate Street, Gloucester, Mrs. Violet Wooler, a director of Ward & Woodland, Ltd., chemists, Eastgate Street, Gloucester.

## WILLS

**MR. FREDERIC INGRAM JOHNSON, M.P.** 60 Waterloo Road, Bedford, left £2,200, with net personality £2,170.

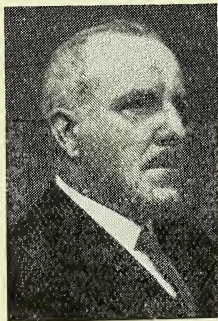
**MR. JOHN EMERYS JONES, M.P.S.,** Gwyll St. Asaph, Flintshire, left £4,800, with net personality £960.

**MR. LLEWELLYN MORGAN, M.P.S.,** Lewis Road, Crynant, nr. Neath, Glam, left £561, with net personality £467.

**MR. PERCY WAINWRIGHT, M.P.S.,** Sheffields, Townville, Pontefract, left £2,900, with net personality £430.

**MR. WILLIAM PORTER OSBORNE, M.P.** Market Place, Watlington, Oxon, left £3,356, gross, with net personality £1,944.

**MR. HENRY GRAHAM DANIEL, M.P.** Webley Hotel, St. Dogmaels, Cards., formerly of St. Swithin's Lane, London, E.C.4, left £7,326, with net personality £6,292.





## PERSONALITIES

Mr. J. D. BOHN has been elected an honorary member of the Wholesale Drug Trade Association.

DRS. F. H. S. CURD, D. G. DAVEY, and L. ROSE were presented on June 17 with the gold medal in therapeutics of the Society of Apothecaries in recognition of their joint researches which culminated in the production of the antimalarial agent Maudrine.

DR. K. B. WILSON and Mr. G. J. H. ASKER (research department, dyestuffs division, Imperial Chemical Industries, Ltd.), have been awarded the Moulton Medal by the Institution of Chemical Engineers for a paper on the design of tubular reactors (including catalytic converters used in the manufacture of phthalic anhydride).

MR. T. A. ALLSOPP, J.P. (the only member of the Derbyshire Insurance Committee to have served since 1911) has accepted the chairmanship of the county Executive Council to be set up under the National Health Service. He is a past-president of the National Association of Insurance Companies, and a past-chairman of the North-eastern Pricing Bureau.

DR. C. E. K. MEES, F.R.S. (vice-president and director of research of Eastman

Kodak Co.) is now in Britain after completing a tour of the Continent. While in Britain he is to give several lectures to scientific bodies on research organisation. Dr. Mees, who was born in England, began his career as a photographic manufacturer with Wratten & Wainwright, and carried out later photo-

graphic research work in conjunction with E. Sheppard.

MR. A. W. JOHNSON, PH.D., is one of two recipients of the Meldola medal awarded for work done in 1946. The medal is presented by the Society of Macchemists, on the recommendation of the Council of the Royal Institute of Chemistry, to the chemist of British nationality under thirty years of age whose published original research work shows the most promise. Dr.

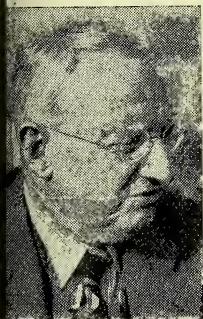
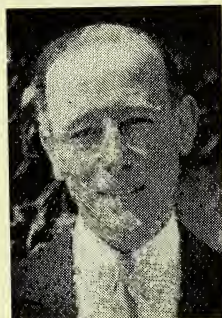
Johnson, who was a member of the research department, Imperial Chemical Industries Dyestuffs Division, until October 1946, has taken up an I.C.I. Fellowship at Cambridge University, working with Professor A. R. Todd. He originally worked under Professor Sir Ian Heilbron at Imperial College, London, on vitamin A and related polyenes.

MAJOR T. KNOWLES (head of the By-products Branch, Ministry of Fuel and

Power) received the C.B.E. from the King at an investiture on June 10.

Major Knowles, who during the 1939-45 war was Coal Tar Controller, is a past chairman of the British Plastics Federation and the Association of British Chemical Manufacturers (fine chemicals section); was founder president of the Institute of Export; and is a past member of the Grand Council of the Federation of British Industries.

BIRTHDAY HONOURS.—Amongst those whose names appeared in the Birthday Honours list published on June 12, were MESSRS. J. S. DODD (a past president of the Association of British Chambers of Commerce), and A. McCANCE, F.R.S. (a member of the Advisory Council to the Committee of the Privy Council for Scientific and Industrial Research), and DR. R. A. YOUNG (consulting physician, Middlesex and Brompton Hospitals) (Knights Bachelor); MESSRS. J. E. C. BAILEY (managing director of Baird & Tatlock, Ltd.), O. F. BROWN (assistant secretary, Department of Scientific and Industrial Research), J. A. GUNN (chairman, British Pharmacopoeia Commission), and T. M. HARBOTTLE (chairman, Local Price Regulation Committee, Northern Region, Board of Trade), all of whom are awarded the C.B.E.; MESSRS. R. ADDIS (chairman and managing director, Addis, Ltd.), J. D. G. DAVIES (a past assistant secretary of the Royal Society), N. HOWARD-JONES (director of the Medical Department, British Council), and MAJOR HORACE HASLETT (chairman of J. & J. Haslett, Ltd., wholesale druggists, Belfast), who have received the O.B.E.



## TRADE NOTES

**Soap Supplies.**—Finley-Kale, Ltd., 21 Balham Hill, London, S.W.12, offer to supply Maiday soap against retailers' ration allocations.

**Packed Pharmaceuticals.**—A six-page folder card listing many of the pharmaceutical chemicals issued by May & Baker, Ltd., Dagenham, has been made available by the company.

**Supplies from Stock.**—Louis Goldhill, sponge importer, 29 Cricklewood Broadway, London, N.W.2, can supply from stock all sizes and qualities of Turkey and honeycomb sponges.

**Bottles from Stock.**—M. J. Fecher, Ltd., 121 High Street, Slough, Bucks, are in a position to supply, from stock, white flint ovals and squares in certain sizes, hexagon poison bottles, and 6-oz. cream jars.

**Cake Make-up.**—Rimmel Distributors, 43 North Row, Park Lane, London, W.1, have introduced a handbag-size powder cake in plastic containers. The product is available in seven shades.

**In Limited Supply.**—Domestos, Ltd., Works, Newcastle-on-Tyne, 6, state that they are unable at present to meet in full the demand for Stergene washer and cleanser, but hope to be in a position to send out increased supplies before long.

**Increase in Prices.**—John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, announce a forthcoming increase in the price of certain of their specialities, including Kaldrox and Pro-doids. The new prices are effective from July 1.

**End of Bonus Offer.**—Cross & Max, Ltd., 17 Bishop's Court, London, E.C.4, sole distributors in Great Britain for Kodono tablets, remind chemists that the company's bonus offer for this product closes on June 30. National and local advertising is in progress.

**Penicillin Lozenges.**—Imperial Chemicals (Pharmaceuticals), Ltd., are issuing, through usual trade suppliers, Avlon brand penicillin lozenges, B.P., each containing 500 international units of penicillin calcium salt. The lozenges are issued in airtight containers of twenty-five.

**Catalogue of Medical Books.**—E. & S. Livingstone, 16 Teviot Place, Edinburgh, 1, have issued a seventy-two page catalogue of medical, surgical, nursing, dental and

scientific books, and undertake to send a copy post free to any chemist who may be interested.

**Aluminium Hydroxide.**—The Stomalumine Laboratories, Ltd., 28 Rue la Boétie Paris, 8e, France, offer aluminium hydroxide, prepared by their Stomalumine process, as an odourless, tasteless, amorphous powder of pure white colour, suitable for incorporation in antacid powders and tablets.

**Metal Compact.**—Under the name Diana, the Saltman Engineering Co., Ltd., London, have introduced a metal compact with inner lid and sifter and carrying design in gilt on a black, "unchippable" background. Distribution is through recognised wholesalers. The company's London and provincial representatives are named in an announcement elsewhere in this issue.

**Technical Booklets.**—A series of booklets dealing with the use of Crill surface active agents in emulsified ointment bases, perfumes and essential-oil solubilisation, feeding tests and skin-application studies and with the Crill series 17-23 water-soluble and dispersible ester-ether waxes, has been issued by Croda, Ltd., Croda House, Snaithe, Goole, Yorks.

**Allocation Scheme.**—Vitamins, Ltd., 2 Upper Mall, Hammersmith, London, W.6, announce that, as supplies have to some extent improved recently, they have been able to revert to their cash-with-order ratio scheme for Bemax, with normal invoicing. Chemists are asked to forward their Bemax ration cards (but not cards bearing a cancellation stamp) to ensure a place in the allocation scheme.

**Protected Mark.**—Ciba Laboratories Ltd., Horsham, Sussex, point out that Vic form is the registered trade mark of Ciba Ltd., Basle, Switzerland, and that in the United Kingdom they are the registered users of the trade mark, which is applied to 5-chloro-7-iodo-8-hydroxyquinoline. Vic form is not included in the U.S. National Formulary (eighth edition) which contains however, a monograph on iodochloro-8-hydroxyquinoline.

**All-British Electric Shaver.**—Guy Morrison & Co., Ltd., 6 Chandos House, Buckingham Gate, London, S.W.1, are the sole distributors of a new electric shaver which is manufactured in Britain and marketed under the name Buk. The instrument has five cutting blades operating



simultaneously, is fitted with a self-starting motor, switch, and built-in voltage adjuster; it works on alternating current at voltages of 180 to 250.

**Prices of Cereal Foods.**—Under a Cereal Breakfast Foods (Control and Maximum Prices) Order, 1947 (S.R. & O., 1947, No. 1090), dated June 3, the Minister of Food has introduced a new scale of prices for cereal breakfast foods including Allenbury's cereal (Allen & Hanburys, Ltd.), Bisméal (Energen Foods, Ltd.) and other cereals of the "health food" type. The new prices are tabulated in the order, copies of which may be obtained from H.M. Stationery Office, price twopence each.

**New Lipstick Shade.**—A new blue-rose shade of lipstick has been introduced by J. Grossmith & Son, Ltd., 45 Piccadilly, London, W.1. Sales of the new lipstick at the company's salon in Piccadilly, London, are understood to have been exceptional, and distribution is now being effected to over 10,000 pharmacists, perfumers and stores throughout the country. The case in which the lipstick is presented, also new, is described as "pink-gold" in colour. Lipsticks in seven other attractive colours are issued by the company.

**Foundation Base.**—Polak & Schwartz (England), Ltd., 50 Great Cambridge Road, Enfield, Middlesex, have introduced Mat-texture, a foundation base for the production of creams. The preparation is claimed to have the advantage that it may be used without another emulsifying agent, and that a finished cream is obtained with ease, and of a uniform excellence of consistency. A number of formulas of toilet preparations, making use of the base, are available to purchasers applying to the cosmetic research laboratories of the company.

**Pharmacists' Help Sought.**—Pharmacists throughout England and Wales are being asked by the Minister of Health (Mr. Aneurin Bevan) to assist in the Ministry's campaign against venereal disease by displaying posters which have been prepared by the Ministry in sizes (30 x 20 in. and 15 x 10 in.) suitable for showing in shops. Samples of the posters are being sent to branch secretaries of the National Pharmaceutical Union, and pharmacists willing to display the posters are asked to write to the Public Relations Division of the Ministry, Whitehall, London, S.W.1, stating the size and number of copies required. The posters will then be sent free of charge.

## Proprietary Articles Trade Association

**Additions to Protected List.**—*Aero-Ped, Ltd.* (Agents: S. Maw, Son & Sons, Ltd.), Aero-Ped foot powder and ointment, 16s. doz., tax 2s. 8d. doz., inclusive retail price 2s. 3d. Display terms: Two doz. less 2½ per cent., three doz. less 5 per cent., four doz. less 7½ per cent., six doz. less 10 per cent.

*J. L. Bragg, Ltd.*, Bragg's charcoal lozenges, new size containing forty, 12s. doz., tax 2s. doz., i.r.p. 1s. 5d.; former small size (i.r.p. 1s. 9½d.) withdrawn.

*Mathews & Wilson, Ltd.*—Oxydoim ointment, 10s. doz., tax 1s. 8d. doz., i.r.p. 1s. 5d.; 16s. doz., tax 2s. 8d. doz., i.r.p. 2s. 3d.

**Alterations.**—*Boujois, Ltd.*, Evening in Paris face powder, No. 6330, 12s. 3d. doz., tax 12s. 3d. doz., i.r.p. 2s. 6d.; lipstick, No. 9059, 31s. 9d. doz., tax 31s. 9d. doz., i.r.p. 6s. 6d.

*Jeyes' Sanitary Compounds Co., Ltd.*, Jeyes' fluid, 5-oz., 1s. 3d., 11s. 5d. doz.; 10-oz., 1s. 11d., 17s. 6d. doz. (exempt from tax).

*Monsol, Ltd.*, Revised prices, June 23: Monsol pastilles, 11s. doz., tax 1s. 10d. doz., i.r.p. 1s. 6d.

*Vermex Chemical Co., Ltd.*, Zodas head and nerve tablets, 9s. doz., tax 1s. 6d., i.r.p. 1s. 3d.; Quinamon tablets, 11s. doz., tax 1s. 10d. doz., i.r.p. 1s. 6d.; Lipalene, 9s. doz., tax 1s. 6d. doz., i.r.p. 1s. 3d.; Soltan sunburn cream, 11s. doz., tax 3s. 8d. doz., i.r.p. 1s. 9d.; 14s. doz., tax 4s. 8d. doz., i.r.p. 2s. 3d.; Rapalax laxative tablets, 5s. 6d. doz., tax 11d. doz., i.r.p. 9d. Display terms: In return for window or counter display of Zodas, Quinamon, Lipalene and Rapalax, orders for three doz. of any one product, or combined order of one doz. each of three products, invoiced at following prices: Zodas, 8s. doz.; Quinamon, 10s. 6d. doz.; Lipalene, 8s. doz.; Rapalax, 5s. doz.; Soltan, 10s. 4d. and 13s. 4d. doz.

## BUSINESS CHANGES

PRICHARD & CONSTANCE (MANUFACTURING), LTD., have removed to North Circular Road, West Twyford, London, N.W.10.

HARMAN DIETETIC LABORATORIES, LTD., have removed to Cavendish Works, North Parade, Burnt Oak Broadway, Edgware, Middlesex.

J. C. ENO, LTD., WATFORD, have appointed Mr. Ian W. Howie, Loirston, Abbotshall Place, Culter, Aberdeen, to represent the company's medical department in Scotland.

H. HIRJI & Co., drug importers and exporters, have removed to 39 Botolph Lane, Eastcheap, London, E.C.3. The telephone number (Mansion House 6951) is unchanged.

MR. G. G. MCINTYRE, M.P.S. (S.A.), has been appointed managing director of Allen & Hanburys (Africa), Ltd., in succession to Mr. T. R. Walton, M.P.S., who retired on May 31 after thirty-five years' service with the company.

ILFORD, LTD., have reorganised their dealer and professional departments to form one section, with Mr. C. Morris as manager, to cover the whole of the United Kingdom. Mr. L. Beadle is assistant manager. Mr. A. F. Braithwaite, M.B.E., has been appointed the company's representative for the Southern Midland counties, to succeed Mr. A. J. Brooke, who recently retired.

## PHARMACEUTICAL SOCIETY OF IRELAND

THE June meeting of the Council of the Pharmaceutical Society of Ireland was held on June 10, Mr. J. K. Whelehan (president) in the chair. Also present were Messrs. P. A. Brady, J. Gleeson, F. X. Meagher, G. C. O'Neill, T. C. Scott, P. Brooke-Kelly, T. B. O'Sullivan, F. Loughman, T.D., M. Power, P. C. Cahill, R. Daly, H. P. Corrigan, P. F. McGrath, J. A. O'Rourke, M. Costello, N. A. P. McKane, P. Fullam, and J. P. Kissane. Apologies for absence were received from Messrs. J. D. Blair and C. J. Cremen.

A letter was read from Mr. David Murphy (secretary, Benevolent Fund Dance Committee) dealing with appeals made for the fund. After discussion it was decided that the president, with the other officers, should meet the Dance Committee to discuss the matters raised in the letter.

The report of the House Committee, which was adopted, recommended that the treasurer should invest £1,300 in Dublin Corporation Stock. It was further recommended that the annual subscription of members should be increased to £2 2s. and that a notice of motion to implement the recommendation should be brought forward at the July meeting of the Council. A grant of £5 towards the expenses of the Students' Representative Council was also recommended by the House Committee.

### Lecturer in Botany and Materia Medica

The Schools Committee report, which was adopted, stated that Mr. A. F. Collins had tendered his resignation as lecturer in botany and materia medica on his appointment as examiner to the final examination. Mr. MEAGHER said it would be difficult to find a lecturer who could teach both botany and materia medica. As a lecturer in zoology would eventually be required, he suggested the appointment as lecturer in botany of a person qualified also to lecture in zoology. THE PRESIDENT said that Mr. Collins had himself suggested that there should be separate lecturers for botany and materia medica. Mr. FULLAM thought it essential to divide the subjects at once; it would be impossible to find a person capable of lecturing in botany, materia medica and zoology. Mr. COSTELLO pointed out that in the past there had been separate lecturers; Mr. Collins had been the first to be appointed to lecture in both botany and materia medica. Mr. DALY said he had received a cutting from Mr. Riordan (secretary, Cork Chemists' Association) stating that chemists were qualified in most of those subjects today through the universi-

ties. The cutting had been sent in case it had any bearing on Irish pharmacy. Mr. BROOKE-KELLY said he was delighted to find that the Council were thinking of dividing the subjects, and thus restoring botany to its "pristine glory." He also favoured putting zoology in the syllabus. It was agreed to advertise for separate lecturers for botany and materia medica.

The Law Committee's report, which was adopted, contained a reference to a complaint from Dr. Ashe about a proprietary preparation. The registrar had referred Dr. Ashe to the registrar of the Royal College of Physicians of Ireland, with whom the matter had been raised by the Society's Council.

### Changes in Register

The following changes of address were notified: Miss M. McSweeney, M.P.S.I., to 46 Oliver Plunkett Street, Cork; Mr. M. F. Walshe, M.P.S.I., to 1 Upper Mount Street, Dublin; Mr. R. L. Hanna, L.P.S.I., to Portlinton; Miss C. M. McLoughlin, L.P.S.I., to 17 O'Connell Street, Athlone; Mr. J. W. Whelan, L.P.S.I., to 28 South Main Street, Wexford; Mr. James Keating, R.D., to 3 Derrynane Parade, North Circular Road, Dublin.

Mr. J. J. KERR (registrar) reported that fifty-seven candidates had entered for the pre-registration examination; eighteen of the candidates had asked to be examined in Cork.

THE REGISTRAR reported on the deaths of Messrs. G. P. Davis, M.P.S.I., and E. McDowell, R.D., and of Dr. H. Hunt, L.P.S.I.

### Appointment of New Registrar

The Council then proceeded to the appointment of a new registrar. From the names submitted by the selection committee the Council appointed Mr. J. G. Coleman to be the Society's registrar as from September 1, 1947. On the suggestion of Mr. COSTELLO, it was agreed that a special meeting of the House Committee should arrange the terms of the new registrar's appointment and make arrangements for superannuation.

The licence certificates of the following were signed and sealed: Frederica M. O'Regan, Francis J. O'Brien, Robert J. Semple, Muriel St. John, Mary A. A. Lynch, Ellie C. Prendergast, Richard J. Power, Annie T. Scully, Edward Meaney, Bernard J. Anderson, Alphonsus J. Dolan and Martin P. McCooey. The Misses T. F. Ellis and M. McSweeney, and Mr. M. Byrn



were elected members of the Society. Miss Yates, Rathmines, Dublin, and Mr. P. J. McLaughlin, Bandon, co. Cork, were nominated for membership.

### Public Health Bill

At question time Mr. McKane asked about the work of the committee which had been appointed to meet Dr. Ryan, the Minister of Health, to discuss the Public Health Bill. It was, he said, remarkable and regrettable that the Minister should have seen fit to refuse to meet a deputation from the Society to discuss a measure which carried such dangerous implications for the future of the profession. Dr. Ryan had said that the time to discuss this Bill was when it became law. In effect this meant that the measure was a form of dictation; the Society could take it or leave it. Mr. McKane said he had been assured by more optimistic colleagues that it was the intention of the Minister to interpret the measure generously and that he had no intention of victimising pharmacy. Mr. McKane hoped the optimism was justified and that the Society would have no reason in the next two or three years to regret its passivity. The future could be predicted only on past experience, and to judge by the Minister's present treatment of the Society, it looked very bleak indeed. Could it be that the Society had been too timid in its relations with the Minister, and that a more vigorous expression of disapproval would have paid better dividends? Even now protests could be made not only through the pharmaceutical Press, but through the daily press.

Mr. LOUGHMAN said he had telephoned the Minister, who had said that the time for discussions would be when regulations under the Bill were being drafted. Mr. Loughman was not aware that the Council had expressed disapproval of any particular clause or section in the Bill, or that they had suggested any particular amendment. At the previous meeting of the Council he had undertaken to give his own name if certain reasonable amendments were suggested, and arrange for them to be discussed in the Dail. Mr. McKane should remember the measure was practically the same as the original Public Health Bill. The Council had discussed the earlier Bill with its sponsor and had not been completely dissatisfied. There need be no fears that either the Society or its individual members would suffer. Mr. Loughman admitted he had not studied the measure as closely as Mr. McKane, and he suggested that a depu-

tation should make a formal request through the registrar for an interview with the Minister. The Bill had received only a second reading, and amendments might be submitted, even when the Bill went to the Senate.

THE PRESIDENT said that copious notes of the Society's case, taken by Dr. Ward's secretary at a previous interview, should be available to Dr. Ryan. Mr. McKANE said he regarded with some suspicion a Minister who made orders under regulations. The practice undermined the whole foundation of democracy. The present Bill, so far as he could see, gave unlimited powers, and it was not realised that such a measure was going to place difficulties in the way of every pharmacy. A label would have to be put on every proprietary medicine specifying its contents. Since the label would presumably be in Latin and unintelligible to the public, the only person to benefit would be a competitor. To prevent the sale of a few fraudulent preparations, the Minister was going to cause great inconvenience to the great majority which were genuine.

### Deputation Appointed

Mr. CAHILL said he understood that the omnibus powers contained in the present Public Health Bill were similar to those in other Bills. The Minister's predecessor had undertaken to consult the Society before any regulations were made. Mr. GLEESON said that when the committee had last discussed the Bill, Mr. Loughman had indicated that he was prepared to propose an amendment; he was sure Mr. Loughman was still prepared to do so. Mr. LOUGHMAN agreed provided that he was supplied with the text of the amendment. Mr. MEAGHER said the Society would like to obtain some undertaking that there would be consultation with interests concerned in the patent medicine trade. Mr. CAHILL thought consultations should cover all matters affecting pharmacy. Mr. McKANE pointed out that the Bill as it stood affected even toilet preparations. To recommend a bottle of medicine for a cough might be regarded as an advertisement and liable to a fine of £500. On the motion of THE PRESIDENT, seconded by Mr. GLEESON, it was agreed to ask the Minister of Health to receive a deputation to discuss Sections 60 and 61, and Part 10 of the Bill. It was decided that the officers with Messrs. McKane and Loughman should form the deputation to the Minister.

A meeting of the Benevolent Fund Committee was held after the Council meeting.

## THE JOINT COMMITTEE AND THE N.P.U.— MR. WILSON SPEAKS OUT

THE speaker at a meeting of the Cheltenham Branch of the Pharmaceutical Society on June 12 was MR. F. C. WILSON (a member of the Society's Council, a member of the Joint Committee on a National Pharmaceutical Service, and secretary, Surrey Pharmaceutical Committee).

Mr. Wilson first refreshed the memories of his hearers on the events that had led up to the 1911 Act, pointing out that the Act was the first piece of positive health legislation in this country. "It would be true to say," he suggested, "that prior to the introduction of the 1911 Act, few chemists ever saw a prescription in their premises." The fact that National Health Insurance dispensing ever came into the pharmacy was due, declared Mr. Wilson, solely to the tremendous efforts made in 1911, politically and personally, by the Society's Council and permanent officials of that day.

### "Satisfactory Legislation"

Turning to the National Health Service Act of 1946, the speaker said it was possibly the most satisfactory piece of legislation on the Statute Book so far as the pharmacist was concerned because, for the first time, diagnosis and dispensing were permanently separated for the vast majority of the population. The very fact that this separation had been obtained was due, in his opinion, partly to the thirty years' record of service and partly to the fact that the negotiations on behalf of pharmacy had been carried out by a joint committee representative of the whole professional side of the calling. He disclosed that there had been disagreement between the National Pharmaceutical Union on one hand and the remainder of the Joint Committee on the other over pharmaceutical departments in health centres. Subsequent to the passing of the Act, the N.P.U. desired to approach the Minister with a suggestion that there should be no such departments. At the conference of Pharmaceutical Committees on May 28, Mr. Mallinson (N.P.U. secretary) had stated that previous conferences had bound pharmaceutical organisations to the utmost opposition to health centres—referring, he thought, to a resolution passed at the conference of October 25, 1944, as follows:—

"That the Health Service should be based upon all dispensing being done through pharmacies except for in-patients

of hospitals and that all drugs, etc. supplied to in-patients should be dispensed by pharmacists."

Conferences in 1944, prior to the publication of the Bill, and in 1947, subsequent to its passage through Parliament, were very different things. The Act stated categorically that it should be the duty of local authorities to provide a pharmaceutical service in health centres, and the move suggested by the National Pharmaceutical Union appeared to some members of the Joint Committee to be unsound. However, in an attempt to meet the difficulties of the National Pharmaceutical Union, it was agreed that any approach by the N.P.U. to the Ministry on the point should have the moral support of the Joint Committee. He, personally, would say that the progress of health centre building might not be as rapid as had been thought likely even twelve or eighteen months earlier, but even assuming that they spread rapidly, the effect of the new Act would be at least to doubt and possibly even to treble the amount of dispensing done by proprietor pharmacists at the present time. The dispensing department was not dependent upon the buying power of the public, particularly if occupied essentially with work paid for by the State. In industrial areas it had proved the rule that, as one's count trade fell, one's panel work increased proportionately. In the future, almost all dispensing would be panel dispensing, and the purchasing power of clients would no longer be a limiting factor on turnover in the dispensing department.

The speaker said he could anticipate the obvious remark that everything depended on what chemists were going to be paid for their services. In this he would be the first to agree. He had the permission of the chairman of the Joint Committee to disclose events leading up to possibly the most momentous, certainly the most tragic decision taken in connection with pharmaceutical service under the National Health Service Act. On March 27 the National Pharmaceutical Union demanded that the work of the Negotiating Committee in regard to remuneration of contractors should be delegated to the N.H.I. Contractors Committee. A communication received from the Ministry of Health revealed the intention of the Minister to invite the Joint Committee to appoint a subcommittee



discuss remuneration with the Ministry. At further meeting on May 20, a resolution was passed unanimously, every member of the Joint Committee, including representatives of the N.P.U., raising his hand in favour of it, that an invitation should be sent to the Executive of the N.P.U., Comany Chemists' Association and Co-operative Congress Parliamentary Committee to consider a proposition that the Central G.H.I. Committee, with power to co-opt, should undertake the responsibility of negotiating the terms of remuneration of the contract in the new Health Service, that the Committee should be known as the Joint Contractors' Committee and it should become a subcommittee of the full Joint Committee. He did not complain that the N.P.U. Executive had declined to accept the invitation. They had every right to do so if they so desired, but he submitted that those who had voted unanimously in the

Joint Committee were in honour bound to support the same course within their own organisation.

If the approach to the Minister on the question of fees was to be on the basis of traders bargaining for their goods, poor results would accrue, he declared, for this was the wrong approach. It was necessary, in his opinion, to establish the worth of the pharmacist's time, the value to the community of his very presence, and of the availability of his premises and his stock. Only when the valuation of all these had been assessed, and not before, could one arrive at the fee to be paid for dispensing a bottle of medicine. They must remember that their National Health Service work would no longer be a contract supplementary to and subsidised by other commercial activities. It must be looked upon as the mainstay of the pharmacist as a professional man.

## HUDDERSFIELD DISCUSSION ON EDUCATION

HUDDERSFIELD Branch of the Pharmaceutical Society at its June meeting debated a motion, proposed by Mr. F. NORTH, that this branch approves the education policy of the Pharmaceutical Society."

From the point of view of pure pharmacy, divorced from commercialism, said Mr. North, education was intended primarily to teach proficiency in dispensing; only the best was good enough. No one could object to the adoption of the London Matriculation standard for the entrance examination since it was in line with a degree standard. The present intermediate examination would be retained with the addition of mathematics, now an important subject in pharmacy. The present one-year course, continued the speaker, was quite inadequate and resulted in a hopeless "cram." But for the war a two-year final course would no doubt have been introduced earlier. The volume and variety of dispensing would increase as a result of the National Health Service. If the retail chemist did not tackle it, the health centres would. Consequently the Society's education standard should be high enough to cover the maximum requirements, not, as some people had suggested, the minimum.

Mr. C. THOMPSON, opposing the motion, said that, in considering any education policy, it must be remembered that 90 per cent. of pharmacists were engaged in retail practice. He was not opposed to the new standard of the entrance examination but

thought there was much to be said for the old system of apprenticeship as compared with the new one. Under the old system there was usually a probationary period during which a student had an opportunity to withdraw if he found himself unsuited to pharmacy. By the time a student reached his apprenticeship under the new scheme he was already committed. The proposed extension of the final course to three years was quite unnecessary and would reduce the number of entrants to retail practice. Although the cost of the prolonged education would be borne by the State, there were to be considered other costs which might cause some students financial hardship. It was not logical, thought Mr. Thompson, to say that a higher standard of dispensing would be called for immediately the N.H.S. started. Members of the public, who had been well served in the past, would still prefer their medicine dispensed by the retail pharmacist whom they knew, rather than have it handed to them through a pigeon-hole by a highly trained but impersonal scientist.

Mr. J. F. ROWLANDS thought that the syllabus should be revised with obsolete matter cut out rather than lengthened. As 90 per cent. of pharmacists were in retail practice, suggested Mr. G. GREENWOOD, the Society's education policy should be designed to suit the retailer.

On being put to the vote, the motion was lost, with seven votes for and nine against the proposal.

# JOHN BELL'S GOLD CAPSULES



The RELIABILITY, RECOMMENDATIONS and ADVERTISING contribute to the increasing demand for this popular and effective Medicine.



New and Attractive SHOW CARDS available on request.

JOHN BELL, HILLS & LUCAS, LTD.  
Oxford Wks., Worsley Bridge  
Rd., London, S.E.26



## RANKIN BROTHERS & SONS (RANKINS PARTNERS, LTD.)

139 BERMONDSEY STREET, LONDON, S.E.1

## for DISPENSING CORKS

OWNERS OF THE FINEST  
CORK FORESTS IN PORTUGAL

# NIPITS



THE  
MEDICATED  
PASTILLES

**FOR VOICE,  
THROAT & CHEST**

TEASDALE & CO. LTD., CARLISLE

## BURROUGH'S ABSOLUTE ALCOHOL

Cale Distillery  
London, S.E.11

## TRAGACANTH

SPECIALISTS IN B.P. POWDER  
SAMPLES AND PRICES ON REQUEST  
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane,  
London, E.C.3  
MANsion House 1924 & 6600. Estd. 1826.

## BETTER Advertising & MARKETING

40 years' success with proprietary line of national and international fame enable us to offer our clients many solid advantages. Our advertising sells goods at the lowest on-cost.

STUART HIRST, LTD.  
Survey House, 15 Bond Street, Leeds, 1



CONFIDENT that we can be of service to you we invite enquiries for  
PROPRIETARY ARTICLES  
PHARMACEUTICAL PREPS.  
DRUGGISTS' SUNDRIES  
DRESSINGS

N. & M. GOULD, LTD.  
62, 64, 66 STONEY LANE  
LONDON, E.C.3

BISHOPSGATE 7734, 5355

## THE RELIABLE Edosan

ALL ELASTIC SANITARY BELTS

EDOSAN LTD. 189, CARLTON VALE, LONDON N.W.4

## INFORMATION WANTED

Information with respect to suppliers of the following items would be appreciated:

Silonet and Lilonet dressings.  
Polyhaemens blood tonic.



# The CHEMIST AND DRUGGIST

## SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JUNE 21  
1947

28 ESSEX STREET, LONDON, W.C. 2

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

### Sell your business through BRITAIN'S LARGEST AGENCY

Nation-wide Advertising each week  
in 500 papers producing the maxi-  
mum number of Buying Clients.

**A SERVICE WITHOUT AN EQUAL**  
Tact, Freshness, Vigour  
and High Ethical Standard

**A GUARANTEE TO SELL OR NO CHARGE**

Inclusive terms: 5% when sold.

No preliminary fee.

No Advertising fee.

**NATIONAL BUSINESS  
AGENCY LTD.**

36, EASTCHEAP, CITY, LONDON, E.C.3.

Phone (3 lines) MANsion House 1207, 2748, 2749

### SITUATIONS OPEN

6 for 40 words or less, 2d. for every additional word

#### RETAIL (HOME)

ALLEN & HANBURY, LTD., require the services of two pharmacists. Canteen. Living accommodation available for one bachelor pharmacist. Apply Allen & Hanbury, Ltd., 7 Vere Street, W.1. (Mayfair 2216).

AN opportunity will shortly present itself for a qualified manager and three assistants, qualified or unqualified. The situation will carry salary and commission and there is the guarantee of comfortable working conditions. 1/197, C. & D. Office.

ASSISTANT required, qualified preferred, but not essential. Ability and diligence rewarded. Furnished accommodation available to early applicant. Tel. No. 2587. H. W. Carter, 52 Barton Street, Gloucester.

BOOTS the chemists invite applications from qualified assistants, male and female (particularly those who have recently completed their course of study), and from fully trained unqualified assistants under 35 years of age. Applications, stating age, experience, district preferred, etc., to Retail Staff Department, Station Street, Nottingham.

DISPENSERS, part-time. South and West London. Please state days and hours free. No Sunday. Apply 1/68, C. & D. Office.

GLoucester Friendly Societies Medical Association, Longsmith Street, Gloucester. Applications are invited for the post of pharmacist-in-charge at the Association's dispensary. Salary £450 p.a. Full details of experience and copies of testimonials should be sent to the Secretary immediately.

LADY pharmacist required for central pharmacy. Good salary offered. Superannuation scheme in operation. 44-hour week. No Sunday or holiday duty. Applications to Superintendent Chemist, Lockhurst Lane Co-operative Society, Ltd., 376 Foleshill Road, Coventry.

LADY pharmacist required as manageress for a good-class West End pharmacy, mainly counter work, congenial post. Also part-time lady pharmacist required. Apply, Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. Phone Victoria 2204.

LEAMINGTON. Fisher & Co. will have available in July a self-contained newly decorated flat, and a vacancy for an unqualified dispensing assistant. Applicants must have had sound experience in good-class family and dispensing business. Good salary; permanency. Full particulars to Timothy Whites & Taylors, Ltd., Retail Staff Department, 70 Vauxhall Bridge Road, London, S.W.1.

MANAGER to take charge branch North London. Progressive post. Living accommodation not available. Apply with full particulars to Box A, 1/45, C. & D. Office.

MID-SUSSEX. Qualified manager required July as locum with view to permanency. Full details to 1/181, C. & D. Office. Suitable for resident near London or Brighton area, willing to travel pending local accommodation. Married man preferred.

NEWCASTLE-ON-TYNE. Qualified chemist with initiative required for progressive branch business in pleasant area, near Whitley Bay. Good residential business. Permanency to suitable person, with prospects. Please state particulars of experience, age and approximate salary expected, to 1/36, C. & D. Office.

OLDHAM. Pharmacist branch manager required for middle-class pharmacy. Excellent opportunity for keen worker. Progressive salary. Apply, giving experience, etc., to Braddock & Bagshaw, Ltd., 37/39 Yorkshire Street, Oldham.

**ORRIDGE & Company, Employment Agency,** Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to Columbia House for particulars.

**QUALIFIED** man, aged about 35, preferably with optical qualification, required for good-class business in pleasant residential district of N.W. London. Permanent post for good man, competent to take charge when necessary. No Sunday or half-day duty. Salary £600. Full particulars in first letter. 1/74, C. & D. Office.

**QUALIFIED** manager required for good-class family dispensing business in residential area of Wimbledon, Surrey. Permanent appointment; no living accommodation. Good salary. Write 1/26, C. & D. Office.

**SALESWOMAN** (experienced) required for drugs and toilet goods by Gamages of Holborn. Apply personally, or in writing, to the Staff Manager, stating age, experience and salary required. Store hours 9 a.m. to 5 p.m. Saturday 9 a.m. to 1 p.m.

**SOUTHPORT.** Qualified and unqualified assistant, either sex, required mainly for dispensing duties in busy up-to-date pharmacy with other staff. The post offers scope for enlarging one's experience and is permanent; with good working conditions. Please apply in writing, stating experience, salary required and other usual details to J. R. Cave (1922), Ltd., 52 Nevill Street, Southport.

**SUPERINTENDENT** chemist requires qualified first assistant to supervise central pharmacy, warehouse, packing department, etc. 44-hours week, superannuation scheme and good salary offered. Apply to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough.

**THE Royal Arsenal Co-operative Chemists, Ltd.,** required pharmacists for their branches in South-east and South-west London. Permanent positions with opportunity for progress. Superannuation and special bonus schemes in operation. Apply in writing stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

**THE Royal Arsenal Co-operative Chemists, Ltd.,** require unqualified assistants. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

**TWO** unqualified assistants required (male or female), one to work in dispensary with qualified, one for counter, windows, etc. Good salaries, permanent positions; three qualified on staff. Chave & Jackson, Ltd., Hereford.

**UNQUALIFIED** assistants, male or female. Permanent or during vacation. Central London. Apply B, 1/46, C. & D. Office.

**UNQUALIFIED** dispenser, assistant to head dispenser required immediately. Previous experience essential. Please send full particulars in first letter. Hickman & Metcalf, Ltd., Market Place, Newbury.

**UNQUALIFIED** lady assistant required with experience of toilet counter and window dressing. This vacancy offers an opportunity to gain experience of Messrs. Elizabeth Arden's lines amongst other high class toilet preparations. Usual particulars please to Clark, Chemist, Dorchester, Dorset.

**UNQUALIFIED** assistant required with good West End experience, mainly for counter work and window dressing. Apply The Manager, Frizell & Co., Theatrical and Foreign Chemists, Leicester Square, London, W.C.2. Phone Gerrard 2945.

**VACANCY** for a qualified assistant in a dispensing business. Only keen, active person required. Martin, Chemist, Cardiff.

**WALLACE HEATON, LTD.,** 127 New Bond Street, London, W.1, require a photographic salesman experienced in the use and demonstration of miniature cameras, enlargers or amateur apparatus. The post offered is interesting and aggressive; chemist trained applicant preferred. Apply in writing, giving full details and salary required.

**WANTED.** Qualified lady and gentleman. Sunday, Thursday or holiday duty. Apply 386 Prince Regent Lane, E.16.

**WE** have vacancies in the following areas for branch manager pharmacists: South Leyton, Ilford, Barking and Burnt Oak. Their accommodation available in two of these areas. Application in first instance to Superintendent Chemist, London Co-operative Chemists, Ltd., Maryland Street, Stratford, E.15.

**WEST HARTLEPOOL.** Pharmacist, capable of taking charge of a branch, required. A newly qualified person. Exceptional opportunity for experience in busy good-class store pharmacy. Salary £7 18s. (including war bonuses). Particulars Hartlepool Co-operative Chemists, Ltd., V Hartlepool.

**YOUNG** lady or young man assistant required for toilet business. Apply S. Stein, 118A Chancery Street, Poplar, E.14.

## LOCUMS WANTED

**LOCUM** required July 7th, 18th, August 11th, 21st, inclusive; also two weeks September. Whole or part time. Suit newly qualified or senior student. Short hours, five-day week. Apply Chief Pharmacist, St. John's Hospital, 5 Lisle Street, Leicester Square, W.C.2.

**LOCUM** assistant dispenser (Hall qualification Part 1) required for two weeks commencing July 21. Salary according to experience. Apply to Secretary & House Governor, Royal East Sussex Hospital, Hastings.

## WHOLESALE

**A** CHEMIST to act as consultant is required part time (days or evenings) to advise a company developing various washing media in different trades. The chemist needs to be thoroughly experienced in, and with an up-to-date knowledge of, chemistry of soaps, SFA's and similar detergent. Write in strictest confidence to 1/153, C. & D. Office.

**A** LEADING proprietary house requires the services of a first-class representative for the Midlands and East Anglia, living in or near either Leicester or Peterborough. Must be fully experienced and have a sound connection in this territory with wholesale and retail chemists, co-operative societies, wholesale grocers and allied trades. Full particulars provided. Remuneration by salary and expense plus bonus on increased turnover. Superannuation scheme. Letters, giving fullest personal particulars and salary required, to 1/172, C. & D. Office.

**A** CTIVE representative for London area wanted by old established manufacturers of household products. Existing accounts handed over to him. Must have own car and good connection with wholesale and retail chemists, grocers, general stores etc. Salary, commission and expenses. 1/165, C. & D. Office.



**ACTIVE**, experienced salesman (car owner) with a live connection among chemists, stores, co-ops, etc., required immediately for the following areas:—Scotland, Wales, Midlands, S. West Eng., London and E. Anglia. State exact area covered, and other lines carried. £50 to £100 monthly is being earned by representatives from two non-competitive quick-selling established sales alone. Other lines not objected to. An excellent opportunity for good salesmen calling regularly upon most chemists in their area. Generous commission on sales and repeats. Apply, 1/196, C. & D. Office.

**GENTS** wanted in all districts for advertised proprietary. Liberal commission. State territory covered. Age and experience in first instance 1/167, C. & D. Office.

**APPLICATIONS** are invited from young pharmacist for drug dispatch department of Midland manufacturing chemists. Accommodation will be made available for the successful applicant. Applications to be made in the first instance giving age, detailed experience and salary required. 1/166, C. & D. Office.

**ASSISTANT** works chemist wanted in old-established manufacturers of toilet preparations. Experience of emulsification, essential oils and synthetics. Compound blending and general works practice. Not less than Inter. B.Sc., Standard or equivalent. Good conditions. Five-day week. Write, giving full details, to 1/200, C. & D. Office.

**ASSISTANT** chemist required for production control and research on pharmaceuticals. Applicants should hold the B.Pharm. or equivalent qualifications. Previous experience in the assay of vitamin products by physical methods an advantage. Applications, giving details of qualifications and previous experience, etc., to the General Manager, Glaxo Products, Ltd., Trading Estate, Slough, Bucks.

**ASSISTANT** works chemist required for the manufacture of fine chemical products: Must have Inter-B.Sc. or B.Sc. degree and some experience in organic synthesis. Interesting and progressive post for young man, with technical ability. Apply, giving full particulars of age, qualification, and experience, to 1/191, C. & D. Office.

**ASSISTANT** required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Barker, Stagg & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

**BRITISH SCHERING LTD.** require the services of a pharmacist (aged 25-35), preferably male, experienced in the routine of a medical information department. Applications, giving full details of education, business career, and stating salary expected, in complete confidence, to Medical Executive, British Schering, Ltd., 167/169 Great Portland Street, W.1.

**CAPABLE** shorthand-typist with experience of export routine required by firm of manufacturing chemists in S.W. London. Knowledge of languages an advantage, but not essential. Apply, giving full details, to 1/192, C. & D. Office.

**CHEMIST** required for research and transfer of laboratory results to large-scale production and to act as liaison between laboratory and management. Hons. B.Sc. or equivalent qualification and experience in pharmaceutical products. Applicants should have sound knowledge of physical chemistry and of the newer colloidal and emulsifying agents. Position is progressive and pensionable. Please give in first letter fullest particulars of age, qualifications and experience. 1/194, C. & D. Office.

**CHEMICAL** mixer and processor wanted for cosmetic manufacturers. Old established house. Good salary. 1/47, C. & D. Office.

**DRUGS.** Counter hand (male) wanted for wet counter. Permanent. Union rate of pay. 5-day week. Southall Bros. and Barclay, Alum Rock, Birmingham.

**EVANS MEDICAL SUPPLIES, LTD.**, require an assistant analyst of Ph.C. or A.R.I.C. standard. Salary according to qualifications and experience. Apply to Production Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

**EXPERIENCED** representative required for East Scotland by distributors of nationally advertised and well-known leading proprietary articles; medicinal and toilet. Residence in the Dundee or Edinburgh district preferred. There is a large established business and prospects are good. Application for the position, along with the useful full particulars, should be addressed to 1/142, C. & D. Office.

**EXPERIENCED** representative required for well-known nationally advertised proprietary lines having first-class connections with chemists, departmental stores, co-operative societies, drug departments and wholesalers, in Lancs, Cheshire, Cumberland, Westmorland, North Wales. For sole representation; salary, expenses and commission basis. Car essential, and domiciled in Manchester or Lancs. Applicants must state past experience in full, age and when free to commence. Apply, Sales Manager, 1/174, C. & D. Office.

**EXPERIENCED** representative required to cover area comprising Yorkshire and four Northern counties. Knowledge of and residence on territory essential; preferably Leeds area. Excellent prospects. Applications, which in first place must be made in writing, should include the usual full particulars and should be addressed to J. C. Gambles & Co., Ltd., 209/215 Blackfriars Road, London, S.E.1.

**FACTORY** manager required by manufacturers, chemists' sundries, Midlands. Substantial salary plus bonus for man 30-40 of proved managerial ability. Knowledge rubber desirable, but not essential. Full details in confidence. 1/61, C. & D. Office.

**FIRM'S** own traveller wanted to cover Northern England chemists and stores with toilet and cosmetic preparations. Own car. Wage and good commission given to suitable man. Must devote entire time exclusively to our firm. Reply, stating previous experience, copy references, etc., United Chemists Supplies, 110 Donegall Street, Belfast.

**GENERAL** manager, manufacturers chemists' sundries, requires personal assistant, male, 25-30. Interesting progressive post for young man, preferably having previous manufacturing and commercial experience, who aspires to eventual senior executive position. Write, giving full details in confidence. 1/16, C. & D. Office.

**LABORATORY** assistant required by manufacturing chemists. Previous experience not essential. Matriculation an advantage. Write, Matthews & Wilson, Ltd., 6 & 8 Cole Street, London, S.E.1.

**LABORATORY** worker required, used to tinctures and galenicals in general. 5-day week. Union rate of pay. Southall Bros., and Barclay (1935), Ltd., Alum Rock, Birmingham.

**L**ONDON manufacturing chemists require experienced representative for London, South of Thames, with well-established connection among retail and wholesale chemists, to carry additional new well-packed and advertised ethical speciality on commission. When applying please state other lines carried. 1/187, C. & D. Office.

**M**ALE clerk required (aged 25-35) by London manufacturing chemists. Opportunity for training in buying department. Full details in first letter, experience, salary required and if able to type-write. 1/48, C. & D. Office.

**M**ALE assistant required for order assembly, some packing and stock control in the Glasgow depot of firm of manufacturers of ethical specialties. Would suit unqualified man with retail experience. Permanent position for suitable applicant, age under 40. Interview Glasgow. Write, stating experience and salary required. 1/98, C. & D. Office.

**M**ANAGER required to organise new medical department of well-known firm of pharmaceutical manufacturers in North-West London. (1) The salary attaching to the position would be fixed in relation to the qualifications of the successful candidate. (2) Candidates must have had previous experience of distribution of medical products to the medical profession and hospitals. (3) Applicants (by letter only) must give particulars of age, education, qualifications (including any medical qualifications), experience and expected salary. All applications will be treated in strict confidence. 1/153, C. & D. Office.

**M**ANUFACTURING chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write, giving details of age, experience and salary required. 1/132, C. & D. Office.

**M**ANUFACTURING chemists require full time representatives for the following districts. Scotland, Midlands and South Wales. Full particulars to 1/171, C. & D. Office.

**M**ANUFACTURING chemists require first-class representatives in (a) Manchester district; (b) Midlands. Essential qualifications, first-class live energetic man capable of large turnover, with established connection, chemists, hairdressers, grocers, ironmongers, etc. Own car essential, salary, car allowance, expenses and commission. Send full details, experience, age, etc., with first letter. Write, 1/70, C. & D. Office.

**M**ANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

**O**LD established firm, wholesalers, with modern premises in Birmingham have vacancy for chemist able to suggest and initiate packaging and manufacturing lines. Remuneration by salary plus bonus on results. 1/161, C. & D. Office.

**O**LD-ESTABLISHED London firm wholesale chemists' sundriesmen require representatives having live connections chemists, hairdressers, druggists, stores, Co-ops; commission basis. Car advantage but not essential. Write, stating area of representation, details, etc., James Hardcastle & Co., 20 High Holborn, W.C.1.

**P**HARMACEUTICAL chemist required for Midlands. Capable of producing own lines. Must have buying contacts and full knowledge of pharmacy art. Give details of salary required, past experience, etc. 1/53, C. & D. Office.

**P**UBLICITY. Pharmacist (male) required as personal assistant to publicity manager. This is an outstanding opportunity for a young man wishing to enter upon a permanent career in commercial publicity. The position has excellent prospects for the right man. Apply initially in writing, quoting Ref. No. 384, to Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

**R**EPRESENTATIVE required for Birmingham area to call on chemists. Surgical dressings and sanitary towels. Salary, commission and expenses. 1/169, C. & D. Office.

**R**EPRESENTATIVES required by leading razor company to cover (a) Tyneside and North, (b) Home Counties, (c) London area. Applications should give full details of past experience if car owner. Preference given to energetic ex-service men of good appearance and outstanding personality. Good salary and expenses. Interview London. Apply Sales Manager, 1/173, C. & D. Office.

**R**EPRESENTATIVES (three) required. North-east territory, (2) Midlands, (3) Wales and Gloucester. Calling on chemists, department stores and wholesalers. Excellent lines, one national advertisement. Good commission terms. 1/174, C. & D. Office.

**R**EPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover reply. Reply to Slip, 95 Victoria Street, St. Albans, Herts.

**S**ALES manager (assistant). Young man required for London office of proprietary firm (mineral and toilet), ample scope for advancement, interesting work, five-day week. Salary according to experience. Apply with usual particulars, 1/138, C. & D. Office.

**T**ABLET maker, fully conversant with rotary single punch machines. A progressive position with ample scope for man with initiative. 1/175, C. & D. Office.

**THE BRITISH DRUG HOUSES, LTD.**, have vacancies for young pharmacists (male):—Assistant to deal with correspondence of a technical nature; ability to write good English essential; Assistant in galenical laboratory; (c) Assistant in tableting department. Commencing salary according to age and experience, with superannuation and good prospects. Graham Street, City Road, N.1.

**T**HE manufacturers of Lather, the luxury wash preparation, have a few permanent positions for representatives, either full time or who are already calling on chemists in Southern England and Midlands. Only steady and hard workers who are able to earn at the rate of £600 to £1,000 annum are required. (Orders are delivered by works in one to two weeks). Write to address below giving experience if any, territory covered, etc., and best day for interview in London. 1/156, C. & D. Office.

**T**HE British Drug Houses, Ltd., require a pharmacist and/or chemist to act as assistant stores manager. Age 27-35. Please reply, stating qualifications and experience to Personnel Manager, Graham Street, N.1.

**T**RAVELLERS required on commission basis to call on manufacturing chemists and toilet manufacturers to sell imported medicinal and toilet bottles. Please apply with full details. 1/158, C. & D. Office.

**T**RAVELLERS required on commission basis to call on chemists and hairdressers to sell imported medicinal and toilet bottles. Please reply with full details. 1/157, C. & D. Office.

**U**NQUALIFIED chemist (lady) required to supervise manufacture and packaging of medicinal preparations. King's Cross district. Write, giving particulars of age, experience, training and salary required. 1/57, C. & D. Office.



**TALES.** Representative required calling on chemists and hairdressers to carry samples of fame compounds as a side line. Good commission. Only those with first-class connections would be considered. Apply 1/58, C. & D. Office.

**WANTED,** live representative, resident Nottinghamshire, Leicestershire or Derbyshire, for Midlands wholesale chemists' sundries house. Only energetic man well-known to chemists entertained. Sound, open connection. Car owner preferred. Salary, commission, expenses. Good living prospects for the right man. Reply in confidence, stating age, experience and usual details, to 1/29, C. & D. Office.

**WHOLESALE** want live representatives with established connections to call on hairdressers, chemists and stores. Write or phone, Turnmill rehouse, 67 Mile End Road, E.1. Stepney Green 54/3.

## WHOLESALE (OVERSEAS)

**PLANT** chemists urgently required for process plant operations by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to B.Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and evident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, 2/461, C. & D. Office.

**CHEMISTS** urgently required by large company operating in the Middle East. Will be employed either on development or process work and could be prepared initially to undertake shift work in process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience, to Dept. F.18, 162/462, C. & D. Office.

## SITUATIONS WANTED

6 for 18 words or less, 1d. for every additional word

### RETAIL (HOME)

**EXPERIENCED** lady dispenser (Hall) requires post, hospital or chemist, within easy reach of Woodford, Essex. -Excellent testimonials, present nine years. State salary offered. 1/141, C. & D. Office.

### WHOLESALE

**ADDITIONAL** lines required by representative with excellent connections amongst chemists, hairdressers, stores, in South and West Wales, Gloucestershire, Herefordshire. Car owner. Full particulars first instance, please.—1/183, C. & D. Office.

**WORKS** manager, young, energetic, 7 years' experience in chemical and cosmetic manufacturing, seeks post. 1/127, C. & D. Office.

**BABY'S** hairbrushes representative wishes to contact manufacturers with view to arranging commission basis or arrangement. 1/190, C. & D. Office.

**COSMETIC** chemist, long experience manufacturing first-class preparations on modern formulas. also new lines (no quota) wants situation. 1/96, C. & D. Office.

**EXPERIENCED** representative (35), first class sales record, own car, resident Malvern area, seeks post with progressive manufacturing house for Worcs, Glos, Hereford, Wales. Write 1/179, C. & D. Office.

**QUALIFIED** sales manager, first-class experience, successful record and wide contacts, seeks responsible post with good prospects. 1/110, C. & D. Office.

**REPRESENTATIVE**, 15 years' experience, with strong connection chemists, hairdressers, departmentals, Co-ops., etc., in Northumberland, Durham, Cumberland and Westmorland, seeks position with reputable firm desiring representation that area. 1/146, C. & D. Office.

**REPRESENTATIVE** covering the whole of the county of Yorkshire, excellent connection wholesale grocers and multiple stores, would be pleased to consider suitable lines for the above, Manufacturers only preferred. Own car. Terms, part expenses and commission. 1/151 C. & D. Office.

**REPRESENTATIVE**, covering Northern Ireland, own car, young, energetic, wishes to contact reputable firm on salary, commission and expenses basis. 1/163, C. & D. Office.

**REPRESENTATIVE**, own car, very strong connection in South Wales, South West England, with chemists, multiple stores, co-operative societies, etc., wishes to contact good class firm on salary, commission and expenses basis. 175/919, C. & D. Office.

**SALES** representative, disengaged, sound connection with wholesale and retail chemists, stores and Co-operative societies, etc., in a radius of sixty miles around Manchester, desires post with house of repute on salary, commission and expenses. Previous employer twenty years. 1/162, C. & D. Office.

**UNQUALIFIED** (45), 20 years' experience general office, wages, storekeeping, etc. London area. 1/150, C. & D. Office.

## APPOINTMENTS

### CHEDDLETON MENTAL HOSPITAL Nr. LEEK, STAFFS

**DISPENSER** required with Apothecaries' Hall Certificate; resident or non-resident. Salary in accordance with Recommendations of Joint Negotiating Committee (Hospital Staffs). Appointment subject to provisions of Asylums Officers' Superannuation Act. Applications to the Medical Superintendent.

### HILL END HOSPITAL, ST. ALBANS

**ASSISTANT PHARMACISTS** required. Salary in accordance with the Joint Negotiating Committee's Report (Hospital Staffs) (£370 p.a. rising by £15 to £450 p.a. inclusive of cost of living bonus). Apply stating age, qualifications and particulars of experience to Medical Director.

### KING'S COLLEGE HOSPITAL

#### DENMARK HILL, S.E.5.

**Locum Tenens Assistant Pharmacist** required for 14 weeks from June 23rd, 1947. Salary 8½ guineas per week. Applications, with details of experience, should be sent to The Pharmacist at the above address.

## CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:—**MEDICAL STOREKEEPER and INSPECTING PHARMACIST** required by the Government of Nigeria for the Medical Department for one tour of 18 to 24 months with prospect of permanency. Salary and expatriation allowance in the scale of £600 rising to £1,075 a year. The selected candidate will enter the scale at a point commensurate with his age, war service, qualifications and experience. Low income tax. Outfit allowance £60. Free passages and liberal leave on full salary. Furnished housing accommodation is available at a rent fixed by the Government. Candidates preferably not over 35 years of age must be Members of the Pharmaceutical Society of Great Britain and should have had experience of handling and controlling medical stores and hospital supplies of all descriptions. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/17053 on both letter and envelope.

## KENT COUNTY COUNCIL

### ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Hospital, Sevenoaks Road, Orpington. Assistant Pharmacist (M.P.S. or Ph.C.), either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary. Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

County Hall, Maidstone.

June 12, 1947.

## MANCHESTER ROYAL INFIRMARY

Assistant Pharmacist required. Salary in accordance with the scale of the Joint Negotiating Committee (Hospital Staff). Applications, stating age, qualifications and experience together with copies of testimonials should be sent to the General Superintendent.

## ST. MARK'S HOSPITAL FOR DISEASES OF THE RECTUM AND COLON, CITY ROAD, LONDON, E.C.1

Applications are invited for the post of **PHARMACIST**. Salary in accordance with J.N.C. scale. Applications stating age, qualifications and experience, together with copies of three recent testimonials, should be sent as soon as possible to the Secretary.

**PHARMACIST (HOLIDAY RELIEF)** wanted at the Essex County Council Hospital, Wanstead, London, E.11, from 1st to 20th September next inclusive. Inclusive salary will be paid at the rate of £8 8s. a week. Applications should be made to the Medical Superintendent as soon as possible.

## SURREY COUNTY COUNCIL

**LOCUM ASSISTANT PHARMACIST** required at **EPSOM COUNTY HOSPITAL**, Dorking Road, Epsom.

Salary £8 10s. per week inclusive. Further information from the Medical Superintendent to whom applications should be sent.

## SURREY COUNTY COUNCIL

**ASSISTANT PHARMACIST** required at:—**EPSOM COUNTY HOSPITAL**, Dorking Road Epsom.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing, stating age, qualifications and experience, with a copy of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

## AGENCIES

12/6 for 36 words or less, 3d. for every additional w

**AGENT**, good connection essential, required to call chemists, grocers, stores, for (a) East Scotland (b) North Scotland. Commission. Car own preferred. Send all particulars to 1/149, C. & D. Office.

**BRITISH** manufacturers recommend **Dur** agent with strong connections druggists' s dries throughout South Africa. 1/126, C. & D. Office.

**FIRM** of sales managers of national repute, h ing valuable sole selling rights throughout U offer to live, well established sales agents o sole agencies on liberal commission terms in following areas. North-eastern Counties, Le Manchester, Birmingham, Nottingham, East Ang Sussex, Hants & Dorset, Devon and Cornwall, G gow, Aberdeen, Bristol, Liverpool. Only real sa men, firmly established with chemist, drugg hairdressers, need reply, other replies will be nored. 1/164, C. & D. Office.

**IMPORTER** desires to represent English ma facturing chemist house for packed pharmat ical products, surgical goods, chemists' sund etc., exclusively for British East Africa. L yearly turnover guaranteed. Preference wil given to attractively packed products and those have experience of export trade should apply. Q Ref. 759621, 1/131, C. & D. Office.

**PERFUMES**, perfume bases, beautifying prod Paris house desires live agent for marke exclusive lines. Enormous possibilities. W Ryman, Le Chateau Frontenac, 34 Rue Pierre C ran, Paris, 8e.

**REPRESENTATIVES** required calling on r chemists to sell on commission only. Co pastilles, C.F. Good quotas. Area 3, Hertf Huntingdon, Bedford, Northampton, Berks, Oxf Cambridge. Area 4, Glamorgan, Monmouth, P broke, Carmarthen, Cardigan, Hereford, Worcester, Radnor, Brecknock. 1/130, C. & D. Office.



TRAVELLERS wanted to carry additional selling lines on commission; Northumberland, West-land, Cumberland, Durham, Lancs, Cheshire, C. & Lincs, Norfolk, Suffolk, Wales, London and the Counties, Edinburgh and N. Scotland. State as and lines carried. 1/147, C. & D. Office.

WELL-KNOWN distributing house to chemists, stores, etc., with U.K. coverage is open to consider 2 additional branded products offering wide possibilities for sole distribution. Replies in confidence, to 1/76, C. & D. Office.

## BUSINESS OPPORTUNITIES

6 for 36 words or less, 3d. for every additional word

LARGE company manufacturing all types of polishes, household cleaners, etc., have facilities available including hand and automatic filling, analytical control laboratory and expert technical advice, for the production of customers' own name products. Enquiries should indicate whether supply of tins and packing material also is desired. 1/60, C. & D. Office.

ADVERTISER invites enquiries from British and American firms contemplating manufacturing and distributing in Eire. He is prepared to procure holding sites for premises or to purchase suitable premises; initiate business and act as managing director, or director and general manager; wide experience of the pharmaceutical and chemical trade of business generally. Graduate in Science and Commerce, Barrister-at-law, qualified accountant and secretary. Competent to deal with all problems of finances, import and export requirements, and Governmental Departments. Extensive connections in Eire. Ex-British officer decorated and despatches. Salary required £800 to £1,000. Lesser offers not considered. Reputable firms only need apply. 1/32, C. & D. Office.

AN investor in search of satisfactory income yield plus capital appreciation can obtain both through the acquisition of a private company owning a group of drug stores and a mail order business, replete with valuable leases, quotas, stock, spacious suite of offices and well-equipped factory, warehouse, etc. The business has been established over 20 years and all the shops are situated in prominent shopping centres in the South of England. Minimum required for quick sale, approximately £16,000, payable on reasonable terms. 1/133, C. & D. Office.

EXPORT. Manufacturer invites enquiries for a new range of high class cosmetics. The Franklin Laboratories, Ltd., Abingdon, Berks.

MALL Anglo-Belgian firm holding exclusive Continental rights well-known British pharmaceutical products requires additional capital. About £10,000. Excellent opportunity. 50 per cent. participation. 1/108, C. & D. Office.

TABLET-making, surplus capacity available. Reduced charges during summer months. Facilities for packing if required. 1/189, C. & D. Office.

TOILETS quota (large or small) will be purchased by advertiser. Please state amount for sale and price for outright purchase. 176/942, C. & D. Office.

## EXPORT TRADE

MANUFACTURER has available for export, toilet, and cosmetic preparations. Enquiries invited. 1/186, C. & D. Office.

## WANTED TO PURCHASE PERFUMERY BUSINESS

holding licence to import French  
Perfumes for sale in the Home  
and Export markets.

★

*Advertiser is world famous in  
the fashion industry and would  
consider purchasing a control-  
ling interest in a progressive  
firm.*

★

Write in strictest confidence to :  
Box L.R.2 c/o C. J. Lytle Ltd.,  
24/25 New Bond St., London, W.1

## BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

NEWCASTLE-ON-TYNE district. Sound chemist's business in good locality wanted by private chemist. Must stand full investigation. Early cash settlement. Please state preliminary particulars of size, class of trade, turnover, etc., in strict confidence, to 1/137, C. & D. Office.

REQUIRED to purchase surgical, drug and (or) hygienic stores, London or provinces, coastal towns. Write in confidence, 1/79, C. & D. Office.

## BUSINESSES FOR DISPOSAL

7/6 for 40 words or less 2d. for every additional word

BAKER STREET, just off, excellent opportunity to acquire old-established business of dispensing chemists. Excellent shop and basement. Good lease. Rent only £104 p.a. Price for goodwill, including fixtures and fittings, £1,250. Stock at valuation. Apply F. & W. Stiles, 170/3 Piccadilly, W. Regent 6844.

OLD-ESTABLISHED high-class family dispensing business in rapidly expanding suburb of Birmingham for sale to best offer. Valuable freehold property with excellent living accommodation. Annual turnover at present approximately £9,000. Accountants' figures available. Further details on application to bona fide enquiries giving banker's reference. 1/139, C. & D. Office.

# QUALIFY IN OPTICS

The next DIPLOMA IN OPHTHALMICS  
EXAMINATION

will be held in

LONDON, JULY 15th & 16th

Application Form, Syllabus, &c. from

THE REGISTRAR,

INSTITUTE OF CHEMISTS - OPTICIANS,  
2, OLDMEN'S INN, STRAND, W.G. 2.

**WEST London.** Good main road. Sound old-established well-fitted pharmacy. Big dispensing business. Turnover under management (audited accounts), £5,050, improving and scope for further increase. Stock, fixtures and fittings at valuation. 20 years' lease at £75 per annum, which includes good living accommodation and garage. Goodwill £3,000. 1/140, C. & D. Office.

**WIMBLEDON.** Chemist business for sale, as going concern, with living accommodation. Genuine. Owner retiring. No opposition. Net profit about £600 per annum. £3,500, or with freehold premises, £2,500 extra. Apply, Hayes, 4 Hill Road (opposite station), Wimbledon 6464.

## WANTED

1/6 for 36 words or less, 2d. for every additional word

**A** BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond-Street, London, W.1.

**A** ALL types flatted cartons over 12 in. urgently wanted; good prices paid. Details, sizes, quantities, to 1/176, C. & D. Office.

**A** AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holway, N.15.

**C** COLLOID mill required for ointment and cream manufacture. Output 200/250 lbs. per hour. Full details, price, etc., to 1/78, C. & D. Office.

**G** GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

**G** GLYCERYL Mono Stearate and Lactose B.P. or crude. By chemists. 1/198, C. & D. Office.

**G** GLYCERIN wanted, any quantity. Please quote. 1/199, C. & D. Office.

**L** LIQUORICE and menthol pellets required in bulk. 1/184, C. & D. Office.

**M** MANUFACTURERS urgently requiring ceresin wax. Write 1/145, C. & D. Office.

**P** PHENOLPHTHALEIN, phenacetin, caustic soda, soda ash, sodium bicarbonate, B.P. required in substantial quantities. Top market prices paid. 1/43, C. & D. Office.

**P** POWDER filler to fill four-ounces and twelve-ounces into tins required urgently. Preferably Albro type but any accurate filler entertained. 1/14, C. & D. Office.

**P** PROKLIMAN tablets (Ciba) up to 250. Offers to C. G. & Co., Ltd., Oldbury, B'ham.

**R** ROTARY tableting machine wanted by manufacturers. Send full particulars and where seen, to 1/144, C. & D. Office.

**S** SACCHARIN tablets, standard strength, urgently required by good class country pharmacy. Highest prices paid. Purchaser would collect personally. Write in strictest confidence to 1/182, C. & D. Office.

**S** ACCHARINE Powder or Tablets required, & worth. Cash terms. Locks, Chemists, Fordingbridge.

**S** ACCHARIN tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

**S** STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

**W** ANTED. 6 oz. medical flats, plain or graduated with screw caps. Submit prices and quantities for disposal. 1/185, C. & D. Office.

**W** ANTED. Manesty No. 3 machine. State price and particulars. 1/175, C. & D. Office.

**W** ANTED. Glycerine, soda benzoate, benzic acid, salicylic acid, stearic acid, soda bicarbonate, phenacetin saccharin, soda ash, caustic soda, vanillin, lactose. 1/180, C. & D. Office.

**W** WHITE technical oil required in quantities of 20 gals. upwards. Please send particulars together with price to 1/168, C. & D. Office.

**26** -OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

## MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

**A** APPROX. 200 gross 1 oz. plain ointment tins for disposal. Offers wanted. 1/152, C. & D. Office.

**B** OTTLERS. Approximately 180 gross, new, 6 oz. plain medical flat, cork mouth. Not graduated. 32/6 gross, delivered London. 1/159, C. & D. Office.

**C** APS. Immediate delivery. Duplex Unish fitted liners. 59 gross 51 mm. black, 12s. per gross; 33 gross 58 mm. black and 60 gross 58 mm. white, 13s. 6d. per gross. 325 Preston Road, Harrow, Middx. Arnold 1315.

**F** OR immediate disposal. 100 gross Diplo rubber contraceptives, 24/- gross. 50 doz. Addis Nylon toothbrushes, 9/- doz. 15 gross large bottle teats, 12/- gross. 20 gross razor blades, 12/- gross. State quantities required. 1/201, C. & D. Office.

**F** OR sale, 30 gross 16 oz. ribbed ovals; also 1 gross 2 oz. cork mouth panels bottle, nice shape. V. C. Collier, 46 Haymill Road, Burnham, Bucks.

**M** ANESTHY steam-heated automatic water still No. 000. Capacity 2 gallons per hour. Good condition. 1/193, C. & D. Office.

**S** URPLUS. 7 cwt. lemongrass oil, 75 p.c. citronella oil 51 p.c. geraniol. 1/14, C. & D. Office.

**S** URPLUS stock. 60 gross, 2 oz. cream jars. Mixture for glycerine. Box 830, c/o Geo. Murray (Advertising), Ltd., 184 Strand, W.C.2.

**S** URPLUS stock. Glycerol dioleate, 1 cwt. pinyl acetate (pure), 84 lbs. aspirin crystals. 1/188, C. & D. Office.

**S** URPLUS stock of 50 gross 1 oz. tall jars with black enamel tops to clear, 22/- gross. 1/14, C. & D. Office.

**50** GROSS 1/2 oz. white oval shampoo type bottles for sale, with screwed open tops and plastic caps, at 30s. gross inclusive. Seen London. 1/14, C. & D. Office.

**1,000** GROSS imported high-class toilet soap available in various shapes, at competitive prices. Sizes 2 oz. and 4 oz. in white opaque glass (similar to Pond's cold cream jars). 1/14, C. & D. Office.



# CHEMIST AND DRUGGIST

ESTABLISHED 1859

RETAILER—WHOLESALE—MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

OL. CXLVII JUNE 21, 1947 NO. 3513

## Momentous? Tragic?

Mr. F. C. Wilson, speaking at Cheltenham (see p. 716) has to some extent given, with the permission of his chairman, the views of those members of the Joint Committee who are not members of the National Pharmaceutical Union. Mr. Wilson spoke with strong feeling, and some of his remarks were more appropriate to a speech than to a printed record. Nevertheless, what he said throws further light on the differences within the Joint Committee which were apparent from the report of the Conference of Pharmaceutical Committees which was given in the June 7 issue of the *C. & D.* (p. 660).

Stripped of all personalities, the differences appear to centre round remuneration. Mr. Wilson challenges the claims of the N.P.U. to have been a successful negotiator. He feels that the Joint Committee would stand firm for a scale of remuneration based on recognition of every factor taken into consideration, for example, in the questionnaire organised recently by the Joint Committee and now in process, we understand, of being analysed. He fears, apparently, that the N.P.U. would be willing to compound for lower remuneration, based on what he calls "bargaining in goods." We have no doubt that both parties within the Joint Committee are entirely sincere in desiring the highest possible remuneration for chemists under N.H.S., and whether a sub-committee of the Joint Committee, or the Joint Contractors' Committee of the N.P.U. would prove more successful as negotiator is obviously a matter of opinion. The facts

are that the N.P.U., after twenty-six years' experience in the diplomacy of negotiating terms, has been given an overwhelming vote of confidence by the representatives of the Pharmaceutical Committees, and that it would be fantastic in the circumstances to attempt to rehabilitate the Joint Committee in that part of its activities which has concerned the remuneration of proprietor pharmacists under a National Health Service. "Momentous" (in his phrase) the decision may have been. It will be hard to convince the proprietor pharmacists, 93 per cent. of whom are members of their trade organisation, that there is anything "tragic" about what they have decided.

## Cost of Living and the Chemist

THE proposal to scrap the thirty-three-year-old cost-of-living index has met with approval in all quarters. Only the war prevented the earlier departure of this most out-moded measuring device which dealt in terms of commodities no longer on the shelves of the retailer, and ignored articles once regarded as luxuries for the privileged few and now accepted as necessities within the reach of all classes of the community. The Ministry of Labour cost-of-living index figures were instituted in the early stages of the first world war, with a view to measuring the percentage increases, month by month, in the cost of maintaining the standard of living prevailing among working-class households in July 1914. In order to compile the index, regular inquiries were made in order to ascertain changes in the retail prices of a range of goods and services which constituted some of the principal items in the average family expenditure. Food, rent and clothing were the first considerations and then fuel and light. Under "other items" were grouped the remaining expenses such as fares, domestic soap, soda, domestic utensils, brushes and pottery, tobacco and newspapers. After these purchases were made, little was left for anything else. The retail chemist of 1914 hardly featured in the working man's household budget. In the interim cost-of-living index, which was introduced on June 17, money spent at the chemist's now appears for the first time. In the group "Miscellaneous Goods," there

are several additions, including medicines, toilet soap and toilet requisites. A new basis for a permanent index is to be worked out later, and it may be that other items will then be added.

### Changes In Spending Habits

The decision of the Ministry's advisory committee to recommend discarding the old basis has therefore caused no surprise, but the difficulties which face it, however, in replacing the old index by a new one are by no means few, and arise in part from the constantly changing spending habits of the population, which quite probably might soon render a fixed list of items out of date. On the other hand, an alternative plan with an index, the composition of which varied with the actual expenditure of the public, though possible, has other disadvantages of a technical character; a fixed list which is subject to frequent revisions would seem more desirable. The Committee in an interim report, indicated that the United Nations Statistical Commission has expressed interest in this question, and that the International Conference of Labour Statisticians to be held in Montreal during August next will be considering the principle involved in an index of this nature.

### Time Limps Along

HAVING only a paper memory of what was written in *THE CHEMIST AND DRUGGIST* eighty-seven years ago, the Editor recently found it necessary, when he received from a London pharmacist the inquiry, "Do you consider the time yet ripe to modify your editorial leader, 'A Pharmacist's Utopia,' of December 15, 1860, in view of recent and probable changes?" to reach down from its shelf the volume in which that issue of the paper was bound before he could think of drafting an informed reply.

Too long to reproduce in full, the editorial is worth recounting in the following shortened version, which retains the style and wording of the original:—

THERE is a popular notion that the moment a man enters the ranks of trade he becomes practical. If theorists are occasionally found to be far more practical, clear-headed and observant than many of us suppose, your experienced

man, on the other hand, is often seen running into the lands of visions. This practical man has some cherished ideal of a perfect trade. Such an ideal always exists in the minds of those traders who wish to be raised to the more showy rank of "professional men." If the whole trade—calling—profession—occupation of drug selling could be detached from the trade in fancy hardware and scented confectionery, the ideal of many a discontented pharmacist would be realised. A shop would not then be a shop—in the vulgar acceptation of the term—but a temple of science, a fountain of health—a something halfway between a "surgery" and a "laboratory." The presiding genius would not be a mere buyer and seller of drugs but an authority upon analysis, a contributor to scientific journals, and the author, it may be, of sterling treatises upon his art. This fancy picture of what a chemist and druggist might be has evidently inspired a writer who has passed many years in active and honourable connection with "the trade," and yet, with all honesty, and the best intentions, advises a steady course of science and starvation. In some few favoured neighbourhoods, with the prestige of an historical reputation, a chemist and druggist may maintain his establishment by the sale of medicines alone but, in ninety-nine hundredths of the general trade, the traffic in drugs must be joined to a traffic in "sundries."

### Plus ça Change . . .

Readers may feel inclined to reflect, as we did, that conditions today are after all not so very different from those of 1860. Scented confectionery may have passed to other traders. Hardware may be almost wholly in the separately-run departments of multiple concerns. But the pharmacist in the shop has still to rely on other things than pharmacy to provide him with a living. This basic fact has been little modified by "recent" changes, though "probable" changes may be a matter for varied opinions. Certain prophets today predict the gradual—or even rapid—disappearance of the shop pharmacist. Some experts would



educate future pharmacists out of any such foolish notions as, for example, that serving sick customers from behind a counter is a useful and high-minded calling. Others, of no less "practical" background than those which aroused the satirical comment of our reader-writer of 1860, seem to be precipitately trying to make sure a chemist who cannot make a living out of pure pharmacy shall at least be prevented from making a profit out of proprietary medicines. For ourselves, we remain convinced that there is a promising future for the man in the shop, grounded both on the demands of the public, and on the satisfaction the work gives to a certain type of pharmacist. For the moment, the day dreamers may appear to have been having it very much their own way, but challenges to their views are already beginning to emerge. There are bold "theorists" who dare to assert that a pharmacist must make a living by selling if he cannot support himself by dispensing, and there is the logic of economic facts, which have a way of upsetting Utopias, pharmaceutical and otherwise. In short, we may answer our correspondent that we cannot consider the time is yet ripe to modify, except in details, our editorial of December 15, 1860.

### The Problem of Leprosy

The leper-windows remaining in many of England's mediæval churches bear witness to the extent to which leprosy was prevalent in England at the time they were built. With a total population around two million in England in the Middle Ages, the country had over 300 leper homes. Later, with improving diet, standard of living and other factors, the incidence of the disease fell, until today, with a population of some forty-five millions, there is need for only one leper home in Britain. An exhibition organised by the British Empire Leprosy Relief Association and staged recently in London (see p. 704), though designed primarily for the public, serves to bring to mind the vast size and seriousness of the leprosy problem in other countries. It is estimated that throughout the world there are at least five million leprosy sufferers (two million of them British subjects) while

in certain areas, such as equatorial Africa, the incidence, though difficult to assess, is at the almost incredible level of 1 to 4 per cent. of the population. From earliest times lepers in India and China have eaten chaulmoogra nuts as a relief from their disease, but the first real advance against the lepra bacillus (isolated in 1871 by the Norwegian, Hansen) was made in 1916 by Sir Leonard Richards, who instituted a treatment involving the injection of a chaulmoogra oil preparation. The treatment is long and painful, however, and does not arrest the disease in the advanced stages. Research has been hampered by absence of any method of growing the bacillus *in vitro*, and the absence of a dependable blood test.

Recent work has shown penicillin to be of no value, but streptomycin (along with other substances thought to be of use against a sister disease, tuberculosis), is being tried. The greatest measure of success, however, has been obtained with the sulphones, compounds related to the sulphonamides. These include Promin or Promanide (diamino-diphenyl sulphone-*nn*-didextrose sulphonate), which is toxic by mouth but may be given by injection; Diasone (disodium formaldehyde sulphonylate 4,4' diamino diphenyl sulphone); Promizole (2,4' diamino-5-thiasolylphenyl sulphone); and Sulphetrone (tetrasodium phenylpropylamino - diphenyl - sulphone). The last is stated by Muir ("British Medical Journal," June 7, p. 798), to be under trial, and early reports indicate "promising results." The sulphones probably act, not by destroying the bacilli, but by preventing their multiplication and the formation of fresh globi [rounded masses of bacilli found typically in the disease]. The compounds are particularly useful in the lepromatous or severe type of the disease, but have the disadvantages of toxicity, length of treatment needed, and high cost. Other difficulties, peculiar to this field, which workers have to face include the extreme poverty of the patients. It is particularly to be hoped, therefore, that continued research will produce specifics of increasing usefulness, and that, after the initial outlay has been offset, the cost of production will be found to approximate more closely to the funds available.

# THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

## 5. CHILBLAINS, BLISTERS AND OTHER MINOR AILMENTS

**T**HE chilblain is a common and distressing complaint that occurs not only on the feet, but also on the hands and even on the nose and ears. It affects all classes of people, of all ages, and the pharmacist is frequently called upon to advise in its treatment. Certainly it is as much in his province as in that of the chiropodist. Poor peripheral circulation, lowered vitality and damp cold are all exciting causes, but some individuals are more susceptible than others, and only slight changes of temperatures may be necessary to cause a chilblain to appear.

### Predisposing Factors

The chilblain bears a marked resemblance to the first stage of frost-bite, and it is accompanied by intense irritation and redness of the fingers, toes and other extremities. Considerable swelling often follows the irritation, and deformity may occur if the chilblain is allowed to become chronic.

The irritation causes a desire to rub it, and the so-called "open" or "broken" chilblain may result from the breaking of the skin. The skin may become soft and macerated, there may be much swelling and, if the wound is open, infection by bacteria may occur, leading to chronic sores and ulceration. In addition to cold and dampness, the percentage of blood calcium seems to influence the appearance of chilblains. Calcium affects the permeability of the capillaries and the blood coagulation rate, whilst an alteration in the balance of blood gases due to cold, which results in an oxygen lack in the surface tissues, appears to be a predisposing factor. The full physiological story of the chilblain has yet to be told, and much research remains to be done on this widespread minor ailment.

Warmth and good food, with an adequate vitamin intake, should be recommended, and additional calcium in the form of tab. calcii et sodii lact., preferably with vitamin D, or calcium injections, may be suggested. The peripheral circulation must be improved by massage and exercise, and contrast foot-baths are helpful.

Many formulas have been devised to overcome the irritation and congestion caused by chilblains. For the former the application of analgesics, preferably in ointment form, is desirable, and for the latter some method of counterirritation. Anal-

gesia is produced when certain drugs inducing diminished sensibility are applied to the skin or mucous membranes. Local anaesthetics such as benzocaine and orthocaine essential oils such as those of cajuput and eucalyptus; and substances such as camphor, menthol, thymol and phenol, are suitable for application. They appear to overcome the irritation by depressing the end organs which impart such forms of sensation as pain and the feeling of cold.

As counterirritants, capsicum ointment or chillie paste is effective. Liniments such as lin. A.B.C. (lin. aconiti oleos, B.P.C. or lin. camphoris alone are prescribed.

For broken chilblains, the addition of an antiseptic is helpful, but counterirritants should not be recommended. Ointment containing such antiseptics as acriflavine proflavine sulphate, resorcinol, or oil of cade, in addition to a smaller percentage of an analgesic than is usually prescribed have given good results. None of these substances, however, is of much value in curing chilblains. It is as well for the pharmacist to stress that chilblain cream and ointments provide relief only.

### Blisters on the Heel

The only really effective method of getting rid of chilblains is to apply warmth, ensure exercise, and choose footwear and hose with care. The occurrence of blister on the heel, due to the friction of the shoe, is something with which the pharmacist often has to deal, and here again the trouble can only be prevented by discontinuing the use of the footwear which is its cause. The feet may be hardened with methylated spirit before exercise, and soap rubbed on the heel before walking. Padding is helpful, and the use of a piece of elastic adhesive bandage is a popular method of preventing friction. Should a blister be formed and burst, secondary infection may occur, necessitating counterirritation to remove any septic matter. Afterwards an antiseptic such as acriflavine solution, or an antiseptic ointment such as ung. bals. Peru. is required. A small and unbroken blister may be reduced by painting it with liq. iodi mitis which assists the absorption of the serous fluid.

Cracks and fissures in the skin may appear with both dry and moist skins, and infection may occur if care is not taken. Fissure



associated with dry skins have hard, horny  
ages, and may be deep enough to penetrate  
the dermis. They are usually found on  
the heel or sole. Fissures on moist skins  
occur between the toes and, being in softer  
tissue, are often vascular and more painful.  
Application of an antiseptic such as liq.  
hydrogen. perox. or liq. acriflavinæ is use-

ful after thorough cleansing. The applica-  
tion may be followed by an emollient  
ointment such as cremor zinci containing a  
small percentage of tinct. benz. co. Really  
chronic fissures need prolonged and skilful  
treatment, and a chiropodist should be  
consulted by the patient on the recommen-  
dation of the pharmacist.

## PHARMACOLOGY

### The Most Ancient Portion of the Art of Healing

By J. ROSS-MANSELL, B.Sc., M.P.S.

**D**EDANIUS DIOSCORIDES compiled  
a treatise on pharmacology in the  
early days of the Roman Empire,  
and it was he who first called the subject  
the name of "materia medica." One of  
his writings, which has come down to us  
as *De Materia Medica* by his contemporaries,  
and the subject was so called for  
many centuries. In more recent years the  
term has fallen into disuse, since it does not  
embrace the whole subject, but signifies  
only the enumeration and description of  
medicinal articles employed internally.  
The term pharmacology has been adopted  
for the study of the action of drugs in the  
art of healing.

#### Range of Meaning

In the term *τὸ φάρμακον* (*Pharmakon*)  
both poisons and remedies are included,  
and the word indicates a form actually  
suitable for administration. In this sense  
Plato speaks of the poisoned cup given to  
Socrates. Homer (*Odyssey*, lv, 230) uses  
the word in the same sense: "Herbs, many  
of which are healing in the cup, and many  
are harmful." It was with a *φάρμακον* that  
Circe transformed the company of Ulysses  
into grizzly bears and later restored them  
to human beings. In several other pas-  
sages of Homer the word occurs, sometimes  
with one and sometimes with the other  
meaning.

The physician learns about drugs and  
their preparation chiefly from a phar-  
macopœia published by authority. The phar-  
macist is bound, in preparing his drugs and  
in carrying on his business, to follow accu-  
rately the instructions contained in that  
book of standards. Probably the first  
pharmacopœia was the "*Ricettario Fiorentino*,"  
published in Florence in 1489. In  
Germany the first was that of Nuremberg,  
written by Valerius Cordus and published  
in 1546. The first British Pharmacopœia

did not appear until 1864, when it took the  
place of pharmacopœias that had already  
appeared in London and Edinburgh in  
1618—the "*Pharmacopœia Londinensis*."  
The pharmacopœias were formerly pub-  
lished in Latin. Now, however, most coun-  
tries adopt their own language. The degree  
to which science has replaced empiricism  
can be traced through successive revisions of  
the pharmacopœias, from the polypharma-  
ceutical messes of Valerius Cordus down to  
the present-day era of antibiotics and  
chemotherapy—a transition that must have  
proved beneficial to patients.

The study of the action of remedies,  
which is the most important part of phar-  
macology, dates back to the earliest times of  
the healing art. Wherever among uncivil-  
ised nations a wound was to be healed or a  
disease cured, two methods were always  
used. Charms or magic words were recited  
over the ailing limb or over the sick man,  
and aromatic and bitter herbs were applied  
externally, or administered as hot infusions.  
The spells and incantations used in former  
times have either disappeared or, clothed in  
different forms, have become part of the  
rituals of certain religious faiths. From  
herbs the advance was to minerals, then to  
animal products, to the warm and saline  
springs of the earth, and thence to the  
chemical laboratory in which compounds  
were synthesised.

#### Books on Herbs, Medicines, Diseases

Observation, combined with increased  
intellectual development, led to diagnosis  
and the formulating of signs and symptoms.  
Books upon herbs, medicines and diseases,  
written in half-barbaric times, accumulated.  
The art of printing was utilised for their  
production with not less zeal than that used  
for distributing the Bible. The number of  
pharmacological works of the sixteenth cen-  
tury is considerable, and Shakespeare was  
able to make the healer Cerimon say in  
"*Pericles*" (Act III, Scene 2):

"I ever  
Have studied physic, through which  
secret art,  
By turning o'er authorities, I have,  
(Together with my practice) made  
familiar

To me and to my aid the bless'd infusions  
That dwell in vegetives, in metals,  
stones;

And I can speak of the disturbances  
That Nature works, and of her cures."

In the drama *Lord Cerimon*, it is true, succeeds by his remedies in bringing back to life the fair one whose body has been rescued from the sea. But his numerous followers in the secret art of healing were often so little successful that even from academic chairs and downwards all healing by means of remedies was at one time declared to be an illegitimate use of medical knowledge and skill. This was a reaction from the state of affairs that had long existed when patients were regarded, not as subjects to be treated from an intimate acquaintance with disease, and after a proper diagnosis had been made, but merely as the recipients of a prescription. Therapeutics, the cure of disease, is the ripe fruit of the tree of medical knowledge, and is consequently its final aim and effort. Vesalius, the sixteenth century anatomist, transferred the wild plant to suitable soil. It has developed slowly there, though for a while exposed to evil influences, and almost uprooted by the wind of philosophy.

Scarcely an hour passes in which the busy physician does not apply the powers which "dwell in vegetives, in metals, stones." He does so with the confidence that pharmacology today is cultivated on the same lines as all the other natural sciences. By investigating the purely chemical properties and elementary action of a "pharmakon" we may sometimes learn more of its character and of the nature of its effect upon human beings than by testing its action on the living organism. From the action of iodoform in a solution of fatty oil, and from the action of the iodine thus liberated, important conclusions were reached regarding the action of iodoform in the human body. Knowledge of the way quinine acts in malarial fevers was obtained by studying its effects on the lowest organisms. The antipyretic virtue of salicylic acid was inferred from the discovery of its antiseptic properties, its non-poisonous nature, and its partial indestructibility in the organism. The results of such investigations have as much weight as the determination of blood pressure.

## ULSTER CHEMISTS

At the June meeting of the Executive Committee of the Ulster Chemists' Association Mr. R. Gibson (president) in the chair it was reported that, following the decision not to recommend an increased wage scale recommended by the Associates' Section (see *C. & D.*, May 31, p. 611), a communication had been received from the Ministry of Labour enclosing a letter of complaint from the Associates' Section. The letter stated that the existing machinery for settlement of the dispute had not been adequately used. After discussion, the Committee agreed that a further meeting of the Joint Council should be called, and the employer members were empowered to make certain proposals.

Following a discussion at the previous meeting, Miss A. E. Strachan (secretary) reported that representations had been made to the Ministry of Food concerning the granting to chemists opening new businesses of licences to sell soap by retail. The Ministry had rejected the proposal.

The following were elected to membership:—Miss J. B. Devlin, Ph.C., Coalisland and Mr. H. S. Porter, Ph.C., successor Mr. S. Niblock, Ph.C., The Square, Comber, Co. Down. The following, whose applications had been approved by the Associates' Section, were elected as Associates:—Mr. T. J. Lemon (pharmaceutical chemist Messrs. R. J. Ballantine and Max Cro (assistants); and Messrs. J. Cunningham and D. McAlinden (apprentices).

## FIFTY YEARS AGO

### Dangerous Cargo

*From the C. & D., June 19, 1897*

THE first paper [at a meeting in London of the Society of Chemical Industry] was a "Note on the Possible Danger from Fire Involved in the Transport of Barium Peroxide in Wooden Barrels," by Dr. A. Dupré, F.R.S. The note was the outcome of an investigation respecting an outbreak of fire on board ship. The cargo was miscellaneous, and included several chemicals of which barium peroxide seemed to be of the kind upon which suspicion might rest. Dr. Dupré's experiments demonstrated that the chemical and commercial world have been living on the brink of disaster... "I take my old broomstick," said the Home Office explosives adviser, "and rub it once smart on this board, on which I have placed a little barium peroxide, and you see ignition ensues," and it did.



## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

### Income from Proprietaries

SIR,—Writing in the *C. & D.* in 1945 (I.130), Granville Shaw expressed the view, shared by many others, that a chemist cannot expect to make a living out of dispensing. If he was right, and the proprietary medicine trade were to be drastically curtailed, as the Pharmaceutical Society proposes, how would pharmacists make a living? Is it not really from the sale of proprietary articles that we do, in practice, obtain a living? I am not, of course, suggesting that it is right for proprietary medicine manufacturers to make unreasonable claims for their products.

Yours faithfully,  
VERITAS.

today they have not enough coupons. In this respect the drug trade has suffered more than any other. During 1946 much of pharmacist's soap stock was coupon-free. I myself had:— Non-coupon soap, 300, coupon soap, 300. Average sales: 500 per period of two months. Late in 1946 all the free soaps were switched on to coupons. My sales are now 150 per period. For the past six months I have had only enough soap to give one tablet per half-coupon to each customer, in place of three tablets per whole coupon. What is needed is a supplementary coupon allowance to enable chemists to buy the ample stocks being offered—not more soap, but to put it into circulation.

Yours faithfully,  
J. MAJOR.

### British Amino-acid Compounds

SIR,—Your correspondent, Mr. H. Crocker Smith (*C. & D.*, June 14, p. 697) refers to the protein hydrolysate manufactured by his company as the only 100 per cent, amino acid preparation which is made in England. It is well known that other protein hydrolysates are available, including those manufactured and distributed jointly by the writers' companies. Neither the American product Amigen nor any other protein hydrolysate can be described as a 100 per cent, amino acid preparation, which implies that there is a complete conversion to amino acids. All protein hydrolysates at present available are complex mixtures of polypeptides and amino acids. Our own products, oral and intravenous Casydrol, contain some of the carbohydrate which is necessary to prevent the hydrolysates being wasted by the body for energy purposes.

Yours faithfully,  
G. MALCOLM DYSON,  
Technical Director, Genatons, Ltd.  
B. P. THORNLEY,  
Joint managing director, Bengers, Ltd.

### Pharmacists' Soap Supplies

SIR,—The toilet soap trade is in great trouble all over the country, in spite of answers given many times in the House of Commons in recent months. Questions put by members have produced from the soap makers more generous supplies of soap, but retail chemists, except in rare instances, cannot buy them, for the reason that sales fell so low during the "thin" period that

Crews.

### Science and Song

SIR,—A paragraph in "Topical Reflections" on the invention of the laryngoscope (*C. & D.*, June 14, p. 675) led me to look up records of the event; for, as often happens in such cases, the claim of Manuel Garcia has been admitted with reservation in some quarters. The relevant facts are clearly set forth in "Notice sur l'Invention du Laryngoscope," a pamphlet issued in Paris in 1861 by Richard Paulin. A French translation of Garcia's monograph read, in English, at a meeting of the Royal Society on May 4, 1855, is included in the pamphlet. Garcia's account of the matter, in a letter from London dated May 4, 1860, is that the idea of using mirrors for studying the interior of the larynx came to him at intervals for a long time, but that he put it aside, regarding it as impracticable. Robert Liston, in his "Practical Surgery" (1840, p. 417), had written that a view of the ulcerated glottis might "sometimes" be obtained by means of a speculum such as is used by dentists—a single mirror. In 1854, during a holiday in Paris, Garcia decided on a new experiment. Having provided himself with a dentist's mirror and a hand-mirror, he visited his sister, "très-impatient de commencer mes essais." The view of her larynx was satisfactory; but, on his return to London, fog became a serious obstacle to systematic research. Garcia then approached Mr. Williamson, Professor of Chemistry in the University of London,

who suggested the use of oxy-hydrogen light; this, however, was insufficient, as was the electric light of the period, and the investigator had to wait for the "apparitions assez rares du soleil." As he wanted larynxes for dissection, he was referred to Dr. William Sharpey, Professor of Anatomy and Physiology in the University and secretary of the Royal Society. On learning the nature of the study in hand, Dr. Sharpey ordered his laboratory attendant to supply as many larynxes as were required, advised Garcia to write a paper, and offered to read it before the Royal Society. The maker of the laryngoscope was Coxeter of London. The monograph was duly read on the date I have mentioned; it appears in the Proceedings of the Society (VII. 399-410), was reprinted in the "Philosophical Magazine" (September 1855, pp. 218-28), and was translated into French in the same year. It deals with anatomical and physiological points arising in the production of vocal sounds.

Yours faithfully,  
ADEST.

## B.Ph., T.S.A., M.P.S., R.I.P.

SIR,—Recent activities on the part of the Pharmaceutical Society have brought us almost certainly, to a parting of the way. We have been asked to doff our ("industrial ten") overalls and don our academic robes. With the help of the Ministry of Health, the Proprietary Articles Trade Association may "go down for the count." A Therapeutic Substances Act licence is incompatible with a cash register, for surely no graduate can be expected to proffer advice on "nappy rash." Writers have deplored the passing of the gaily coloured bottles from chemists' windows. Will somebody now write an elegy on the kindly old M.P.S., who made and sold remedies for corns, coughs and constipation? Perhaps the B.B.C.'s "Man in Black" will bring the "ghost" of Bloomsbury Square to the microphone. Pharmacists are at the crossroads. They run the risk of being buried heads down.

Yours faithfully,  
R. S. W.

## MISCELLANEOUS INQUIRIES

**Formulas given below may have been prepared for overseas subscribers and the inclusion of the substances therein is no indication that they are available in Britain or, if available, permitted for the purpose.**

**Hair Varnish.**—*B. C.*—A hair varnish usually consists of an alcoholic solution of resin or gum benzoin. The following is a typical formula:—

Resin .....	gr. 10
Gum benzoin .....	gr. 20
Alcohol .....	gr. 70
Perfume .....	q.s.

**Relaxing Butterflies.**—*S. L. L.*—A method used for relaxing butterflies prior to mounting is as follows: The bottom of a flat zinc box is lined with a folded dishcloth moistened slightly with water containing about 0.5 per cent. phenol to prevent the growth of moulds. Several sheets of blotting-paper are then placed on the dishcloth and the butterflies mounted on pins above the paper. A close-fitting zinc lid is placed on the box, which is then left for about twenty-four hours, when the butterflies should be sufficiently relaxed.

For green butterflies, which tend to become discoloured by the previous process, the following method is recommended: A small glass-stoppered jar is partly filled with laurel shoots, which have been cut small and broken up with a hammer, and a layer of tissue paper is placed loosely above them. The butterfly is then mounted with a pin above the tissue paper, the stopper is replaced and the preparation left until the butterfly is sufficiently relaxed. Care should be taken, whichever method is used, not to leave pins inside the containers any longer than necessary, as even minute traces of rust are liable to cause discoloration of the butterflies.

**"Winchester" Quart.**—*A. C. H.*—The name Winchester, applied to bottles, is derived from the dry and liquid measure-standards which were kept by the Saxons at Winchester before 950 A.D. At that period copies were legally compared with these and stamped. The Normans removed them to Westminster to the custody of the King's chamberlains at the exchequer, and they were preserved in the crypt of Edward the Confessor, while remaining royal property. In addition to the Winchester quart, there are also a Winchester gallon and Winchester bushel.

**Colorado Beetle.**—*P. G.*—The occurrence of the Colorado beetle in Britain is not considered by the authorities to be sufficiently serious for the beetle to be classed as a regular pest, and the Ministry of Agriculture and Fisheries, at present, are not recommending any insecticide to be used privately against possible infestation. Any person who finds what he suspects to be a Colorado beetle is requested to send it to, or communicate with, the Ministry's Pathological Laboratory, Milton Road, Harpenden, Herts or with the police.

**Vitamin E for Cattle.**—*L. F.*—Vitamin E plays an important part in the reproductive cycle of cattle. It is used in suitable cases to increase fertility in cows, while its use has also had some success in preventing habitual abortion. It may be administered in the form of wheat germ oil orally, cows and heifers requiring 60 c.c. For infertility the dose is given in one 2-c.c. capsule daily, commencing three days before service. To prevent abortion the dosage should be repeated throughout the third and sixth months of pregnancy. Alternatively it may be administered by injection, cows and heifers being given 15-20 c.c. once a month. When used against abortion it is advisable to give one injection during the third and sixth months of pregnancy.



## OVERSEAS TRADE NEWS

**Indian Shellac Shipments.**—Total shellac exports from India during May amounted to 39,450 packages, compared with 34,449 in April and 50,471 in March.

**British Exhibition in Copenhagen.**—The date of the all-British Exhibition to be held in Copenhagen (*C. & D.*, June 14, p. 74) is September 1948 and not as previously stated.

**Canadian Exports of Medicines.**—During 1946, Canada exported medicines, including proprietary preparations, valued at \$5,343,000, compared with \$5,740,000 in the preceding year.

**Penicillin Factory for Mecklenburg.**—The Mecklenburg (Northern Germany) Government intends the establishment of a penicillin factory in Rostock. The factory to commence production on October 1.

**Clove Supplies in Zanzibar.**—During March, supplies of cloves in Zanzibar totalled 2,400,048, and of clove stems, 1,661,041 lb. Shipments of cloves amounted to 27,754 140-lb. bales and 80,983 lb. of clove oil was exported.

**Australian Uranium Fields.**—Uranium fields discovered recently by prospectors in the Mount Painter region of Southern Australia appear to be highly promising. It is proposed to prospect further in at least three different localities.

**Spanish Olive Oil for U.S.**—The first shipment of Spanish olive oil since the earlier deal in 1946 is due to arrive in New York on June 30. Licences have been granted to ship 2,000 tons of olive oil to the U.S. in exchange for soya beans. The outlook for further supplies, however, is not good since Spain finds it difficult to meet home requirements.

**German Glass for Export.**—The British Purchasing Agent at Minden, Germany, states that certain china and glassware is to be exported from the U.S.-U.K. Zones of Germany, including technical ceramic and hollow glass (bottles and carboys) products. Information and advice to intending importers may be obtained on application to the German Division, Board of Trade, I.C. House, Millbank, London, S.W.1.

**U.S. Allocations of Streptomycin.**—The U.S. Department of Commerce has announced initial streptomycin allocations for June totalling 636,800 gm. compared with 553,900 gm. in May. Domestic civilian use has been raised in June to 456,350

gm. from the May figure of 370,000 gm. but allocations to the armed services and exports for civilian use have remained unchanged at 30,000 and 100,000 gm. respectively.

**Oilseed Mission in Gold Coast.**—Mr. Clay, leader of the Colonial Office Oilseed Mission now in the Gold Coast, stated recently that the Mission was primarily concerned with long-term schemes for the development of oilseeds and soya beans in West Africa. He suggested three lines of approach to mechanised development; the plantation system, collective farming and land settlement schemes. The importance of communications and harbours was also mentioned and it is thought the Jumasi railway may be extended to the Northern territories (see *C. & D.*, May 24, p. 595).

**U.S. Import Requirements.**—A new publication, entitled "Import Requirements of the United States Food, Drug and Cosmetic Act," has been prepared to explain to foreign manufacturers and shippers, who wish to resume trade with the U.S., the regulations regarding these products. The pamphlet lists the standards which have been promulgated and gives some of the reasons for refusal of entry of certain products in the past. Single copies of the pamphlet, listed as Miscellaneous Publication No. 2, may be obtained from the Food and Drug Administration, Washington, 25, D.C.

**Trading with Japan.**—The date for the reopening of trade with Japan (see *C. & D.*, June 7, p. 641) has been fixed for August 15. Accommodation is to be made available for 400 business men and it is expected that the Inter-Allied Trade Board in Washington will determine the number to be admitted into Japan from each Allied nation. Pricing will be carried out by commodity specialists of Allied Headquarters, though business men may discuss other matters with Japanese producers. All prices will be quoted in dollars, but sales may be effected in any acceptable currency. All transactions completed must be licensed by the Japanese Government and validated by Allied Headquarters. Commodities available for purchase by foreign buyers include drugs, surgical and dental instruments, and chemicals of various kinds. It is understood that cosmetics, fish-liver oils, camphor and vegetable waxes are also available in satisfactory quantities.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, June 18

U.S. Drug and Chemical Report

New York, June 1

THERE is little to report in the market for PHARMACEUTICAL CHEMICALS. Demand continues on a very high scale and inquiries from overseas buyers are being received in growing numbers for a large range of products. Needless to say, every effort is being made to increase production of these chemicals. Price changes during the past week were confined to EPHEDRINE HYDROCHLORIDE; one maker has brought the price schedule into line with higher costs of production. The market, generally, shows a firm tone. A good inquiry has been received for CINCHOPHEN, but makers point out that supplies of this product are still very short.

### Crude Drugs

Although most of the recent importation of Japanese AGAR has been disposed of, a few bales are still available. The rather firmer market for Curaçao ALOES continues and shipment values are higher. Substantial inquiry has been received for CAMPHOR and a fair business done at recently quoted prices. CASCARA SAGRADA has been a dull market and there is a tendency for shipment prices to drop. There has not been much call for ERGOT and holders are inclined to accept lower offers; forward quotations have eased. There has been some request for GALBANUM but none is available. The easier market for GINGER continues and lower quotations are forthcoming for Kordofan GUM ACACIA. A fair business has been passing in LIQUORICE at previously quoted prices. Brazil MENTHOL has decreased in price, but Chinese material remains firm; there has been no news of shipment offers of the latter. SHELLAC prices continue to fall; F.O.T.N. pure, on the spot, is currently quoted at 300s. per cwt. It is understood that some quotas of commodities imported from the U.S. have been cut, in that importers are to receive two-thirds only of their quota now and the balance later on in the year.

### Essential Oils

Business in ESSENTIAL OILS has been on a routine scale with buyers encouraged to make purchases by the easier conditions which are now prevailing. Among the oils now selling at lower prices are CINNAMON LEAF, CITRONELLA, GERANIUM and LEMON-GRASS. Supplies of several English-distilled oils are showing improvement, but an exception to this is CORIANDER. It is reported that distillers are getting a poor yield from the seeds now available.

In the ISOLATES, CITRAL, HYDROXY-CITRONELLAL and GERANIOL have been reduced in price as a result of the lower costs of citronella and geranium oils.

FEATURING the FINE CHEMICALS market was a 10 cent reduction in manufacturer schedules for refined GLYCERIN which established a new price of 40 cents per lb., tank-cars. This was brought about chiefly by the heavy saponification of fats over recent weeks. It is pointed out, however, that there may be a falling off in glycerin output later this year as soap-kettle operations will quite likely be cut down. The U.S. Commercial Co. has announced that it is to set on a sealed bid basis about 1,200 cases (approx. 36 tons) of Japanese MENTHOL for shipment to this country before September. These goods will not be available before the major consuming season starts in the U.S. however, and the announcement had no effect on the market, where the quotation for current material was raised 1 cent per lb. earlier in the week. Most of the SALICYLATES are in a very firm position and higher raw material costs are expected to result in advanced quotations for BUTYL ALCOHOL and BUTYL ACETATE.

The large quantities of surplus MERCURY on the market are responsible for the present slump in prices (\$84 a flask compared with the 1929-39 average of \$91 and the 0 control ceiling of \$192) and increased rate of consumption is expected to result in "corrective" price movement when the stocks are exhausted. Limited domestic demand and a moderate export inquiry is reported in CRUDE DRUGS generally. CARNAUBA WAX is very unsettled and prices have been advanced in keeping with schedules. Brazil, despite the virtual non-existence of inquiry in the U.S. About 1,000 tons Mexican CANDELILLA WAX are reported on their way from Mexico to the United States.

Although reductions in quotations had again been noted on the ESSENTIAL OIL market, a steadier undertone is reported as it is generally felt that prices have almost reached bottom levels. There is a fair inquiry for soap oils.

### Pharmaceutical Chemicals

ASPIRIN.—Makers' prices per lb., in the home market (containers in brackets), are as follows: 28 lb. and under 1 cwt., 4s. 4½ (1-lb.), 4s. 3½ (2-lb.), 4s. 3d. (4-lb.), 4s. 2 (7-lb.), 4s. 1½ (14-lb.), 4s. 0½ (28-lb.) Net one month.

BISMUTH.—Makers' quotation for CARBONATE in 1-cwt. lots is 14s. per lb. Schedule rates for smaller quantities are from 15s. 8½d. per lb. upwards. CITRATE is 2s. SALICYLATE 1s. 4d., and SUBNITRATE 2s. 7 per lb. below the above prices; SUBGALLATE is 2s. more than the carbonate.



**BORAX.**—Makers' prices are: B.P. dity, granulated, £38 per ton; crystal, powder, £39 10s. Commercial grades, per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in lots and upwards. These terms do not apply to Northern Ireland.

**BORIC ACID.**—Current rates per ton lots B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. These terms do not apply to Northern Ireland.

**BROMIDES.**—Makers' current rates are as follows: **POTASSIUM.**—1 cwt., 2s. 6d. per lb.; 28 lb., 3s. 0½d.; 14 lb., 3s. 2½d. Powder 2d. per lb. more. **SODIUM** is ½d. per lb. less than above rates and **AMMONIUM** 1½d. per lb. more.

**CALAMINE.**—B.P.C. quality is quoted at 2d. per lb. for quantities of 1 cwt.

**CALCIFEROL.**—Quotations are from 11s. 12s. per gm., according to quantity.

**CALCIUM GLUCONATE.**—Supplies are very short. Quotations are from 3s. 3d. per lb.

**CARBOMAL.**—Importers' quotations are from 32s. 6d. to 35s. per lb., as to quantity.

**ERGOMETRINE.**—Makers' prices per gm. are as follows: **BASE**, in quantities of 1 gm., 10; 5 gm., £19 5s.; 20 gm., £19. **ACID SALT**, 1 gm., £14 15s.; 5 gm., £14 5s.; 10 gm., £14.

**ETHYLMORPHINE.**—Current rates per oz., in the home market, are: **ALKALOID**, ½ oz., 5s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 5s. 9d.; 4 oz., 52s. 6d.; **HYDROCHLORIDE**, 1 oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 3s. 3d.; 4 oz., 44s.

**HYOSCINE HYDROBROMIDE** — Makers' quotations are from 147s. 6d. to 150s. per lb., according to quantity.

**ISOPROPYL ALCOHOL.**—B.P.C. quality is quoted at 13s. 9d. per gall.

**LACTATES.**—Makers' quotations per lb. are as follows: **CALCIUM**, 2s. 3d. to 2s. 9d.; **ALCIUM SODIUM**, 3s. 3d. to 3s. 9d.; **LACTIC ACID**, 3s. to 3s. 3d.

**LACTOSE.**—Quotations are from £120 per ton upwards, according to quantity.

**LECITHIN.**—Ex ovo, 85 per cent., is quoted at prices from 90s. per lb., upwards.

**METHYLTHIONINE CHLORIDE.**—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

**SALICYLATES.**—Makers' prices per lb. (contained in brackets) for **SODIUM SALICYLATE**, current in the home market, are as follows: 28 lb. and under 1 cwt., 3s. 2d. (1-lb.); 3s. 1d. (2-lb.); 3s. 0½d. (4-lb.); 3s. 1½d. (7-lb.); 2s. 11d. (14-lb.); 2s. 10d. (28-lb.). Net one month.

**STILBESTROL.** — Quotations are from 3s. 3d. to 2s. 6d. per gm. **STILBESTROL DIPROPIONATE** is available at the same prices.

## Crude Drugs

**AGAR.**—Japanese strip in original packages is quoted at 18s. 8d. per lb. plus 28s. 6d. per bale of 100 lb.

**ALOES.**—Curacao, on the spot, is quoted at prices from 240s. to 250s. per cwt.; forward quotations, from 215s. to 220s., c.i.f. Socotrine, on the spot, is steady at 150s. to 190s. per cwt., according to quality. Cape, in boxes, for shipment, is quoted at 175s. to 177s. 6d., c.i.f.

**AMMONIACUM.**—Tears, on the spot, are quoted at 2s. per lb.

**ANISE (STAR).**—Spot quotations are easier at 140s. per cwt., duty paid; forward, 100s., c.i.f.

**ARECA NUTS.**—Quiet. Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

**BALSAMS.**—*Canada*, on the spot, is rather scarce at 15s. per lb.; *Para Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* is available at 18s. per lb., spot.

**BAY LEAVES.**—Leaves without stems are offered on the spot at 95s. per cwt.

**BENZOIN.**—Spot quotations for Sumatra are unchanged at from £17 10s. to £24 per cwt., according to quality.

**BUCHU.**—New-crop short rounds are quoted at 4s. 3d. per lb., spot; shipment, 4s., c.i.f.

**CAMPHOR.**—Steady. Chinese tablets (¼-oz.), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.) 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

**CANTHARIDES.**—Chinese is offered at 15s. per lb., spot.

**CAPSICUMS.**—East African is steady at 120s. to 140s. per cwt., according to quality.

**CARDAMOMS.**—Quiet and steady. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

**CASCARA SAGRADA.**—1946 peel is quoted at 275s. to 280s. per cwt., duty paid. American new-crop bark for shipment is quoted at prices from 200s. to 210s., c.i.f., duty paid.

**CASCARILLA.**—Quiet. Quills are quoted at 1s. 10½d. per lb.; siftings are available at 1s. 6d., spot.

**CASSIA PODS.**—(*C. fistula*).—East Indian is easier at 80s. to 85s. per cwt., ex wharf.

**CHAULMOOGRA.**—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

**CHILLIES.**—Mombasa, quoted at 165s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

**CINNAMON.**—Quillings are quoted at 2s. 6d. to 2s. 8d. per lb., spot; featherings, 1s. 10d. to 2s.; chips, 1s. 2d. to 1s. 4d.

**CLOVES.**—Zanzibar are quoted at 9½d. to 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

**COCHINEAL.**—Silver greys quoted at 4s. 3d. to 4s. 6d. per lb., spot; blacks are quoted at 5s. 9d. per lb.

**COCOA BUTTER.**—Maximum controlled price is 2s. 11d. per lb. delivered.

**COLOCYNTH.**—Fine-white is offered at 2s. 2d. and medium-white at 2s. per lb., spot.

**DIGITALIS.**—Portuguese is steady at 130s. per cwt., spot; English-grown, 2s. 6d. per lb.

**ERGOT.**—Spot quotations are from 5s. to 5s. 3d. per lb.; forward offers are lower and are in the region of 4s. 6d., c.i.f.

**EUPHORBIIUM.**—Spot quotations are in the region of 80s. per cwt.

**GALBANUM.**—Spot quotations are from 7s. 6d. to 9s. 6d. per lb., duty paid, according to holder.

**GAMBOGE.**—Siam pipe scarce on the spot, is quoted at £65 per cwt.; shipment, £45 c.i.f.

**GENTIAN.**—A quiet market. French natural root is steady at 100s. per cwt.; cut, 130s. spot.

**GINGER.**—Easier. Jamaica No. 1 is quoted at 117s. 6d. to 120s. per cwt. spot; No. 2, 102s. 6d. to 105s.; No. 3, 97s. 6d. to 100s. Sierra Leone is quoted at 67s. 6d., spot.

**GUAIACUM RESIN.**—Lump material, to arrive, is quoted at 3s. per lb., landed.

**GUM ACACIA.**—Steady. Quotations for Kordofan cleaned sorts are at 74s. per cwt., spot; shipment, 67s., c.i.f. Bleached No. 1 is quoted at 145s., ex store. Talha is quoted at 41s. per cwt., spot; forward, 37s. 6d., c.i.f.

**GUM MASTIC.**—No. 1 is offered at 16s. per lb., duty paid.

**HENBANE.**—Indian leaf is quoted at 250s. per cwt., spot.

**HYDRASTIS.**—Spot quotations are firmly held at 60s. per lb.

**IPECACUANHA.**—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

**IRISH MOSS.**—French material, finest-quality bleached is quoted at 120s. per cwt., spot; No. 1 is at 105s.; No. 2, 95s. per cwt.

**JALAP.**—Vera Cruz is offered at prices from 2s. 3d. to 5s. per lb. according to test.

**JUNIPER.**—Italian berries, quoted from 56s. to 65s. per cwt., according to quality.

**KAMALA.**—Spot stocks are reported to be cleared.

**KARAYA.**—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

**KOLA NUTS.**—Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

**LIQUORICE ROOT.**—Steady. Anatolian whole root is steady at 60s. per cwt., spot. Turkish juice (block) is quoted at 250s. per cwt., duty paid; shipment, 225s., c.i.f. Italian block for shipment, 250s., c.i.f.

**LOBELIA.**—Spot quotations are firmly held at 6s. per lb.

**MACE.**—West Indian pale, spot, is quoted at 7s. to 7s. 6d. per lb.

**MENTHOL.**—Brazil is quoted at 45s. to 47s. per lb., duty paid, according to holder forward, 39s. to 40s., c.i.f. Chinese is quoted at 52s. 6d., duty paid; no forward offers are forthcoming.

**MERCURY.**—Spot quotations are at £17 3s. 6d. per flask ex warehouse; shipment £16 12s. 6d., c.i.f.

**MYRRH.**—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality siftings, £8 to £10 per cwt.

**NUX VOMICA.**—Madras, steady at 40s. to 42s. 6d. per cwt. Managlore, 40s.; Cochinchina somewhat scarce, 42s. 6d. to 45s., spot according to seller.

**OLIBANUM.**—Fair to good drop is quoted from 200s. to 240s. per cwt.; pea size, 220s. good garblings, 180s.; seeds, 175s.; siftings 110s.

**ORANGE PEEL.**—Spanish quarters steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

**ORRIS.**—Steady. Florentine is quoted at 150s. to 160s. per cwt., spot.

**PEPPER.**—Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 10d. to 4s., spot.

**PIMENTO.**—Spot quotations are steady at 1s. 1½d. per lb.

**PSYLLIUM SEED.**—A parcel of black seed is being offered at 2s. 9d. per lb., spot.

**QUASSIA.**—For shipment June-July quoted at 34s. per cwt., c.i.f.; September-October shipment is quoted at 32s., c.i.f. spot, difficult to find, 40s. to 45s. per cwt.

**QUILLAI.**—Natural bark quoted at 130s. per cwt., spot; cut, for future delivery 150s., ex store.

**RHATANY.**—Steady. Spot quotations are unchanged at 11d. per lb.

**RHUBARB.**—Chinese, spot, is quoted at prices from 6s. to 8s. 6d. per lb. for fair to good fracture material; forward prices are from 5s. to 7s., c.i.f. French raphanica is quoted at 2s. per lb., spot.

**SANDARAC.**—Quotations are at 6s. to 6s. 3d. per lb., ex store London.

**SARSAPARILLA.**—Jamaica, native red is quoted at 2s. 3d. to 2s. 4d. per lb., spot.

**SENEGA.**—Old-crop material is quoted at 12s. 6d. to 13s. per lb., spot. No offers of new-crop are available at present.

**SENNA.**—Tinnevely leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 8½d. Tinnevely pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 3d. to 4s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.



**SQUILL.**—Quiet. Italian is quoted at 70s. per cwt., spot.

**STRAMONIUM.**—Indian leaf is quoted at 5s. per cwt., on the spot.

**STROPHANTHUS.**—Quiet. Kombé seed, 100 per cent., quoted at 10s. per lb.

**STYRAX.**—Small quantities are available at 5s. per lb., duty paid.

**TAMARINDS.**—Barbadoes is quoted at 50s. per cwt., in bond.

**TONKA BEANS.**—Frosted Pará is offered at s. 9d. per lb., spot.

**TRAGACANTH.**—Selected ribbon is quoted at £155 per cwt.; other grades of white ribbon are available from £120 to £125 per cwt. Lower grades are as follows: Pale leaf, £60 to £80; amber leaf, £35 to £55; red leaf, £17 to £25; hoggy, £12 to £15 per cwt.

**TURMERIC.**—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

**VALERIAN.**—Belgian root is at 190s. to 220s. per cwt., according to holder.

**WILD CHERRY BARK.**—Thin natural, on the spot, is quoted at 1s. 6d. per lb., duty paid.

**WAXES.**—Dar-es-Salaam BEES' is steady at 360s. per cwt., spot; shipment is at 345s., c.i.f. Lindi, spot, is quoted at 350s.; forward, 340s., c.i.f. Shipment quotation for Benguela is lower at 310s., c.i.f. **CANDELLA.**—Steady. Spot is quoted at 445s. per cwt.; forward, 440s., c.i.f. **CARNAUBA.**—Fatty, spot, is quoted at 700s. per cwt.; shipment, 625s., c.i.f. Prime yellow is quoted at 875s., spot; shipment, 760s., c.i.f. Medium yellow, spot, 820s.; shipment 700s., c.i.f. **MONTAN.**—Reiback is steady at 390s. per cwt., spot; Czechoslovak crude is quoted at 335s., spot. **OURICURI.**—5 per cent. for shipment, 350s. per cwt., c.i.f.; 7 per cent., spot, 450s.; 2 per cent. is quoted forward 380s., c.i.f.; 2.2 per cent., spot, 480s.

## Essential and Expressed Oils

**ALMOND.**—B.P. sweet is firmly held at 8s. to 9s. per lb., according to quantity.

**BAY.**—Spot quotations for West Indian quoted at 11s. to 12s. per lb. according to quantity.

**CADE.**—Spot quotations are from 4s. to 5s. 6d. per lb., according to quantity.

**CASSIA.**—Spot quotations are from 17s. 6d. to 19s. per lb., as to quantity.

**CASTOR.**—Controlled prices are unchanged. Firsts, £180 per ton; Seconds, £176, naked ex works.

**CINNAMON BARK.**—English-distilled B.P. oil is available at 42s. 6d. per oz.

**CINNAMON LEAF.**—Quotations are at from 11s. 6d. to 13s. 6d. per lb., according to quantity.

**CITRONELLA.**—Ceylon, on the spot, is available at prices from 7s. to 8s. per lb.

**CLOVE.**—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

**CORIANDER.**—Very scarce. English-distilled oil is available at 250s. per lb.

**FENNEL.**—Supplies have improved. Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

**GERANIUM.**—Bourbon is quoted at 70s. to 77s. 6d. per lb., according to quantity.

**GINGER.**—Quotations range from 75s. to 125s. per lb., according to quality and seller.

**GUAIACWOOD.**—Quoted at 16s. to 19s. per lb., spot, according to quantity and seller.

**JUNIPER BERRY.**—English-distilled, from European berries, is quoted at 125s. to 135s. per lb. Imported oil can be obtained at prices from 35s. to 40s. per lb.

**LAVENDER.**—French (38 to 40 per cent. esters) is quoted at 47s. 6d. to 55s. per lb. Spanish (spike) is quoted at 11s. 6d. to 12s. 6d. per lb., spot.

**LAVANDIN.**—Spot quotations are from 11s. 6d. to 15s. 6d. per lb., according to seller.

**LEMONGRASS.**—Cochin is quoted at from 8s. to 10s. per lb., spot.

**LIME.**—West-Indian distilled oil is quoted at 35s. per lb., spot.

**LINSEED.**—Controlled price of crude is £200 per ton, naked ex works.

**NEROLI.**—Spot quotations are from 87s. to 92s. per oz., according to quantity.

**NUTMEG.**—English-distilled oil is easier at 53s. 6d. to 55s. per lb., spot; West-Indian distilled, to come forward, 42s. 6d. to 45s. per lb.

**OLIVE.**—Controlled price of edible, 1 per cent., is unchanged at 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums.

**ORIGANUM.**—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

**PALMAROSA.**—Spot quotations are from 35s. to 42s. per lb., according to seller and quantity.

**PATCHOULI.**—Seychelles, spot quoted at 110s. to 115s.; to come forward, 80s. per lb. Singapore, spot, 180s. to 190s.

**PIMENTO BERRY.**—English distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb., according to quantity and seller.

**RAPESEED.**—Controlled price of crude oil is £190 per ton, naked ex works.

**ROSEMARY.**—Spanish is quoted at 9s. to 11s. per lb., according to seller and quantity.

**SANDALWOOD.**—English-distilled is quoted at 70s. to 75s. per lb., according to quantity.

**SASSAFRAS.**—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

**THYME.**—Red oil (40-42 per cent. phenols) is at 13s. 6d. to 16s. per lb.; white oil is quoted at 17s. to 18s. 6d. per lb., spot.

**VETIVERT.**—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

**YLANG YLANG.**—Scarce. Quotations are in the region of 100s. per lb.

## TRADE MARKS

(From "The Trade Marks Journal," May 28)

"TARASQUE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, soaps, essential oils, hair lotions and dentifrices (3). By Société Anonyme de Diffusion Internationale de Parfumerie, 58 Rue de Provence, Paris (9e), France. B645,439.

"GLYSOLAN"; for toilet preparations (not medicated) and cosmetic preparations (3) and pharmaceutical preparations (5). By W. Fletcher (Chemists), Ltd., 5 Rampayne Street, Vauxhall Bridge Road, London, S.W.1. 646,772. (Associated).

"VOUS SEULE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps, and essential oils (3). By Edmond Rosens, 49 Rue de Prony, Paris France. 646,871.

"APHRODONT"; for tooth-paste (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 647,387.

"CHARBERT"; for toilet water, face powder, talcum powder, dusting powder, bath salts, cold creams, skin lotions, all being toilet preparations (not medicated); perfumes, brilliantine, bandoline, toilet rouge, lipsticks, perfumed sachets, hair lotions and cosmetic boxes, powder boxes and rouge boxes (3). By Parfums Charbert, Inc., 730 Fifth Avenue, New York, N.Y., U.S.A. 647,713.

"PHENOXYLAN", for substances containing chlorinated phenoxyacetic acid and homologues thereof, all being weed killers (5). By Pest Control, Ltd., Harston, Cambridgeshire. 638,886.

"VITAX"; for medicines in tablet form for use in the treatment of asthma, bronchitis, hay fever and similar complaints, being goods for sale in the United Kingdom only (5). By Harry Spacey Waite, 64 Effingham Road, Rotherham. 639,080.

"DIBOTIN"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 645,613.

"TINEAFAX"; for pharmaceutical preparations for use in the treatment of tinea diseases of the skin (5). By The Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 646,998 (Associated).

"SILMURIN"; for vermin-destroying preparations (5). By Sandoz, Ltd., 60 Fabrikstrasse, Basle, Switzerland. 647,048 (Associated).

"NURS-LEAVE," "NURS-WALK" and "NUR-SWISH"; for all goods (5). By Ricks, Ltd., 298 Cavendish Road, Balham, London, S.W.12. 647,184-86 (Associated).

"KLEE"; for brushes (21). By O. & M. Kleemann, Ltd., 156-62 Oxford Street, London, W.1. B647,395 (Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT  
Specification No. 643,425 by Bryten Toilet Products, Ltd., should be altered so as to read "Oils,

ointments, and spirits, all being medicated preparations."

Specification No. 643,536 by Bayer Products, Ltd., should be altered so as to read "Analgesic preparations for export."

Specification No. 645,616 by Bayer Products, Ltd., should be altered so as to read "Pharmaceutical preparations containing sulphur for use in the treatment of skin diseases in animals."

(From "The Trade Marks Journal," June 4)

"GRANNO MORE"; for hair dyes and cosmetic preparations (not being toilet preparations) (3). By Monroe Harrison, 1502 South Michigan Avenue, Chicago, Illinois, U.S.A. 641,001.

"ALPINOX"; for creams and powders for the feet and bath salts, all being non-medicated toilet preparations (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 644,120.

"ENDURA"; for shampoos, hair lotions, hair oils and preparations for use in hair waving and hair curling (3). By Endura (England), Ltd., 51 Portland Road, Kingston-on-Thames, Surrey. 644,791 (Associated).

"ARONTAN"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps and essential oils (3). By James N. Whyte, 36 Hamilton Street, Saltcoats. 645,494.

"LEADING LADY"; for cosmetic preparations (not being toilet preparations) and soaps (3). By Roy D. Warnford-Davis, Moorgate Hall, Moorgate Street, London, E.C.1. B646,338.

"VITOPHATES"; for pharmaceutical tonic preparations containing vitamins, but not including medicated tablets or medicated bath tablets (5). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 646,578.

## COMING EVENTS

### Monday, June 23

NORTHANTS COUNTY BRANCH, NATIONAL PHARMACEUTICAL UNION, George Hotel, Kettering, at 7.30 p.m. Discussion on proposed reorganisation of Branch. Mr. R. H. Kemp, Ph.C. (local organisation officer, N.P.U.) on "What is Round the Corner?"

### Wednesday, June 25

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, at 2.30 p.m. Annual meeting. Discussion on "New Proposals for a Revised Constitution," opened by Mr. A. A. Meldrum (a member of the Society's Council).

MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Platt Fields, Manchester (meet at pavilion) at 6.30 p.m. American tennis tournament open to pharmacists, students and friends. Admission sixpence.

### Friday, June 27

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, St. Ermins, Caxton Street, London, S.W.1, at 11 a.m. Annual court of governors.



## The little more —and how much it is

You pay a little more for Howards' Aspirin, but the difference will do you good. Howards' Aspirin is mild in action, and without in any way working drastically, soothes and relieves all manner of aches and pains. It is not habit-forming, and is prescribed by Doctors for patients of all ages.

The high standards of purity which have been a byword with Howards' Aspirin, and the name is the quality of Howards' Aspirin, and the name is on every tablet as your safeguard.

Made by HOWARDS of ILFORD who, this year, celebrate their 150th anniversary.



HOWARDS & SONS LTD ILFORD  
Established 1797

## *This sells Howards' Aspirin.*

Here we show, in miniature, an advertisement which is helping to sell Howards' aspirin tablets all over the country. This advertisement, and others like it, appears regularly in Punch, The Spectator, The Catholic Herald, Strand Magazine, The Tatler, Britannia and Eve, to mention only a few, and is making many new friends for Howards in all the higher income groups. Remember that Howards' are the most profitable P.A.T.A. aspirin tablets which offer you a good return on a quick turnover.



**HOWARDS & SONS LTD. (Est. 1797)**

**ILFORD, NEAR LONDON**

ALL BRITISH PRODUCTS

**Progallin A**  
REGD.  
**Progallin P**  
REGD.

These are the two representatives of Alkyl Gallates, extensively tested for years by teams of famous research workers and finally approved as the most

reliable and harmless Antioxidants

- 1** FOR THE PREVENTION OF AUTOXIDATIVE RANCIDITY IN VEGETABLE & ANIMAL FATS AND OILS
- 2** FOR THE PROTECTION OF ESSENTIAL OILS & AROMATIC COMPOUNDS FROM AUTOXIDATION

- 3** FOR THE INHIBITION OF PEROXIDE FORMATION IN ETHERS

## References

- |  |   |
|--|---|
| <i>Chemistry and Industry</i> , 1944, 67.                          | <i>Journal of the Society of Chemical Industry</i> , 1944, 107. |
| <i>Chemistry and Industry</i> , 1944, 127.                         | <i>Journal of the Society of Chemical Industry</i> , 1944, 8.   |
| <i>Quarterly Journal of Pharmacy and Pharmacology</i> , 1943, 232. | <i>Oil and Soap</i> , 1942, 144.                                |
| <i>Pharmaceutical Journal</i> , 1943, 58.                          | <i>Oil and Soap</i> , 1945, 81.                                 |
| <i>The American Perfumer</i> , 1943, 163.                          | <i>Nature</i> , 1944, 824.                                      |

Write us for testing samples and further particulars

**NIPA LABORATORIES LTD., TREFOREST TRADING ESTATE, NR. CARDIFF**  
MANUFACTURERS OF PRESERVATIVES ANTISEPTICS AND ANTIOXIDANTS

Tel.: Taffs Well 128

**SOLE DISTRIBUTORS FOR THE UNITED KINGDOM P. SAMUELSON & CO.**

Africa House, 44-46 Leadenhall Street, London, E.C.3.

Tel.: Roval 2117-8

**"Eagle" Brand Chemicals**

B.P.  
PRECIPITATED  
SULPHUR

PHOTOGRAPHIC  
**H Y P O**  
AND  
**SULPHITE**  
— CRYSTALS and ANHYDROUS —

EPSOM SALTS  
GLAUBER SALTS  
ARSENATE OF LEAD

Enquiries Invited

**JOHN RILEY & SONS, LTD**

Chemical Manufacturers

**HAPTON near BURNLEY**

Telegrams  
"Rileys Hapton"

Telephone  
Padiham 290/1

Pure White

**TIN OXIDE**  
(STANNIC)

Pure Powdered

**TIN METAL**  
for medicinal purposes

Manufactured by:—

**KEELING & WALKER, LTD.**  
**STOKE-ON-TRENT**

Telephone : Stoke-on-Trent 4136/7

**DRUGS, CHEMICALS, GUMS, WAXES,**  
ETC.

Phenacetin B.P. Spermaceti.

LIMITED QUANTITIES  
CAN BE SUPPLIED FROM STOCK

**A. R. PARKINSON**

158, CITY ROAD, LONDON, E.C.1

Telephone - - - Clerkenwell 4910



# Gum Tragacanth



**N. S. DANGOOR LTD.**

*Suppliers to the Industry*

PROVINCIAL HOUSE, 98-106, CANNON STREET, LONDON, E.C.4.



# MYSORE

## SANDALWOOD OIL

For further information apply to  
**TRADE COMMISSIONER FOR MYSORE**  
 Grand Buildings, Trafalgar Square, London, W.C.2

Since 1913, when the Mysore Department of Industries was instituted, the industrial development of Mysore has gone steadily ahead. Plans in hand to develop still further Mysore's vast resources will continue a record of progress that has earned for Mysore its proud title of "The model state of India." One of the most famous of its many products is sandalwood oil. Made in the Government sandalwood oil factory under strict supervision during every process guarantees a standard of purity and quality that is unequalled.

## RED CARNATION

POWDERED BRAND



### Gum Tragacanth

(B.P.)

The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. On request, you can obtain a free, 12-page, illustrated booklet, telling "The Story of Gum Tragacanth"

- Ground by a Special Process to ensure controlled tenuity
- Viscosity established under Expert Supervision
- Graded to a series of Pre-determined Standards covering every Industrial Requirement
- Packed in Sealed Tins

Whatever grade of RED CARNATION Brand Gum Tragacanth you order, and whenever you order it, you know exactly what you will be receiving—Powdered Gum Tragacanth of certified quality & characteristics—essential pre-requisites of every ingredient used in commercial processes today.

**KIMPTON BROS. LTD.**  
 Established 1842

119, FENCHURCH STREET, LONDON E.C.3. ROYAL 5717-9

## Senna

FROM OUR OWN GROWERS Alexandrian & Tinnevely  
 Pods, Leaves, Siftings  
 John Ronaldson & Co. Ltd., Universal House, South-  
 wark Bridge, London, S.E.1 Phone: Waterloo 6151

SPECIALISTS

### CARRAGEEN MOSS

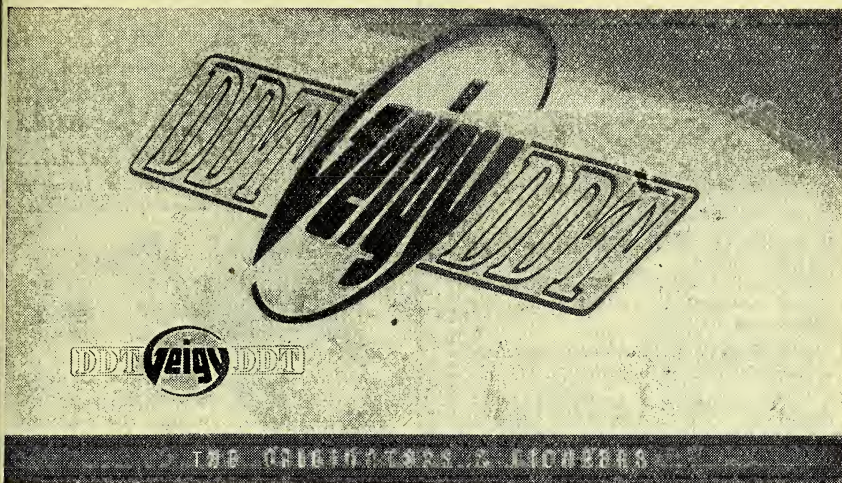
ALL GRADES  
 INCLUDING POWDER

J. W. CUMMING & SON LTD. 5 Tithebarn St. Liverpool 2  
 Phone: Central 7688 Grams: "Carmoss," Liverpool

★ Messrs. Hardie Proprietary Agencies Ltd., of Manchester, are no longer our sole distributors in the North for our Pulv. Tragacanth & Karaya. We respectfully invite enquiries direct which will receive our best attention.

**SALEM (Pulverised Tragacanth) Ltd.,**  
 11a WORMWOOD STREET, LONDON, E.C.2.  
 Telephone London Wall 3813





PHARMACEUTICAL LABORATORIES GEIGY LIMITED, NATIONAL BUILDINGS, MANCHESTER, 3  
STAFFORD ALLEN & SON LTD., 20 WHARF ROAD, LONDON, N.1

D9/248

*Favella*  
BRAND  
LICORICE  
STICKS



ITALIAN LICORICE

The high quality of "Favella"  
Licorice Sticks is emphasized.  
There will be limited stocks  
this season. Order from your  
Wholesaler in good time.

Sole Concessionaires for the United Kingdom

**A. ELDER REED & CO. LTD.,**

105, HIGH STREET, BATTERSEA, S.W.11

Estab. 1890

**BROWN & FORTH, LTD**

Clifton House, Euston Rd., London, N.W.1  
118 Chorlton Road, Manchester, 15

Offer—

**CHEMICALS**

CAROB GUM

POWDERED GUM ACACIA

**HYDRAGUM (EDIBLE)**

SOLVENTS

POWDERED GUM KARAYA

**WAXES**

BLEACHED BEESWAX

REFINED YELLOW BEESWAX

# LENNONS

The Leading Chemists in  
**South Africa**  
and **Rhodesia**

Established in all important centres for many years.

Wholesale and Retail Chemists & Druggists.  
Modernly equipped for Manufacturing and Marketing.

★ If you are seeking reputable Representatives or desire information, write to:—

## LENNON LIMITED

Head Office : P.O. BOX 8389  
JOHANNESBURG, SOUTH AFRICA.

or London Agents:—

CAMPBELL BROS., CARTER & CO., LTD.,  
("L" Dept.), Stafford House (4th Floor),

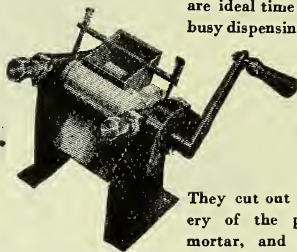
Telephone: MANsion House 0761  
14/20, King William Street, London, E.C.4

for refining

creams, ointments, etc.

## PASCALL ROLLER MILLS

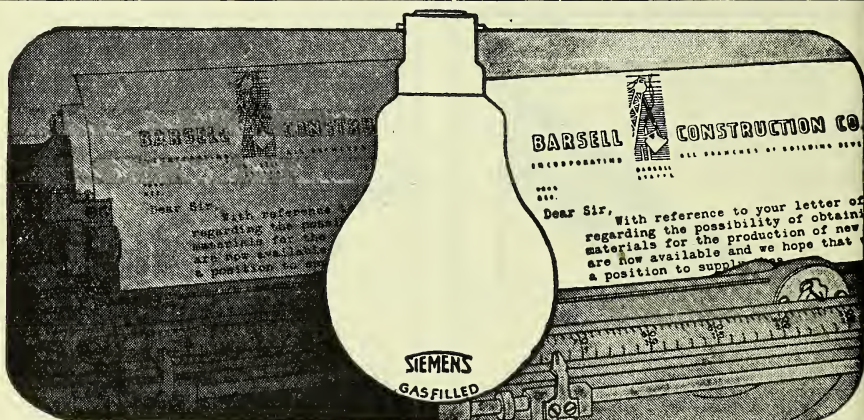
are ideal time savers for  
busy dispensing chemists.



They cut out the drug-  
gery of the pestle and  
mortar, and produce a  
much better product in  
far less time. Available  
with porcelain rolls 2"  
dia. x 4" long.

Write for list CD 3.

THE PASCALL ENGINEERING CO. LTD  
114 LISSON GROVE, LONDON, N.W. 1



Here's where eyes need

the good light of a . . . **SIEMENS** lamp

Made throughout at Siemens Lamp Works, Preston, Lancs.

SIEMENS ELECTRIC LAMPS AND SUPPLIES LTD., 38/39 Upper Thames Street, London, E.C.4



# The Latest Triumph in OINTMENT MILLS *Super Speedy Mill*

IN REGULAR USE ALL OVER THE WORLD

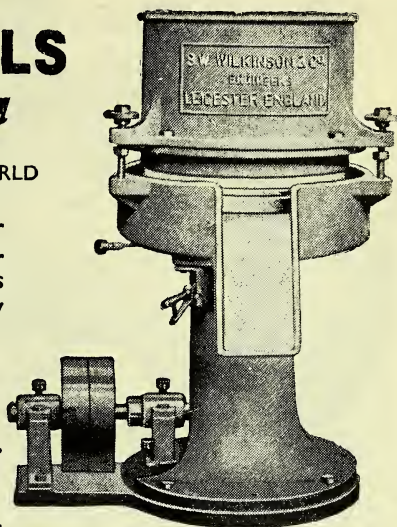
THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

*Each Machine incorporates Thirty Years' Accumulated Experience*

**S. W. WILKINSON & CO.**

*Chemical Engineers and Specialists in  
Pharmaceutical Machinery*

**WESTERN ROAD - LEICESTER**



# BOTTLES

in varying sizes supplied 6-7 weeks after receipt of order. Also opal cream pots. Orders 50 gross upwards.

We also manufacture test tubes, flat bottom tubes, ampoules, etc.

**MEDICAL BOTTLE SUPPLIES LTD**

191 TOTTENHAM COURT ROAD, W.1  
MUSEUM 1166/7/8



Thousands now know the benefits obtainable from the invisible penetrating Infra. Red and Radiant Heat rays. A safe and simple treatment for home or professional use, and at moderate cost, sales come quickly and easily. Don't miss this opportunity of cashing in on a big post-war demand. Write for particulars and generous trade terms.

**PIFCO**

*Electro*  
**MEDICAL APPLIANCES**

PIFCO LTD., PIFCO HOUSE, LONDON, E.C.2

**ANTISEPTIC-Stays put**

A first-class dressing made by a firm with 120 years' experience.



WILLIAM MATHER LIMITED

MANCHESTER 15

(207)

*The Keenest Blade*  
— is —  
**CHADE**



WIDELY ADVERTISED IN  
PRESS • TUBES • BUSES

★ THE QUALITY BLADE THAT  
BRINGS REPEAT SALES

**RETAIL PRICES**

SPECIAL	-	-	1½d
THIN	-	-	2d
DE LUXE	-	-	3d
STAINLESS	-	-	3½d

★ **IMPORTANT**  
*The NEW*  
**CHADE Range**  
*Fit ALL Popular*  
*Double edge*  
*Safety Razors*

CHADE MANUFACTURING CO. LTD., DUNSTABLE, BEDS.

# VELVEX

## TOILET PAPER

*Now pre-war  
quality & reduced  
in price!*

PACKETS 1/-

ROLLS 1/3

**VELVET**  
CREPE PAPER CO. LTD.  
PRODUCT

VELVET CREPE  
PAPER CO. LTDTOILET PAPER  
TISSUE  
HANDKERCHIEFS

## SIDNEY MARGOLIS

WHOLESALE  
CHEMIST - SUNDRIESMAN

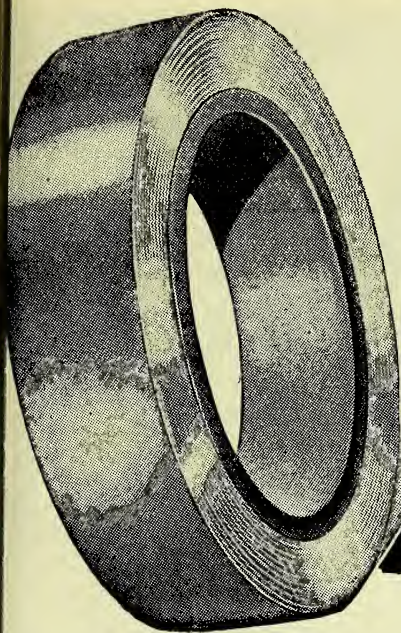
64-64a THE BROADWAY  
CRICKLEWOOD, LONDON, N.W.2  
TELEPHONE GLADSTONE 5948/9480

- 1st **QUALITY HOUSEHOLD RUBBER GLOVES**  
each pair cellophane packed  
SIZES 6½ to 9 22/9 per doz. prs.  
PLUS 33½% P. TAX
- 2nd **QUALITY HOUSEHOLD RUBBER GLOVES**  
SIZES 6½ to 9 18/- per doz. prs.  
PLUS 33½% P. TAX  
(TERMS NET)

CASH WITH ORDER  
IMMEDIATE DELIVERY CARRIAGE PAID

**SIDNEY MARGOLIS**  
TEL. GLADSTONE 5948/9480





*clear or coloured  
transparent or opaque  
plain or printed*

SELLOTAPE, in handy-sized rolls, seals instantaneously. Modest in cost. Printed to choice, is widely used by manufacturing, wholesale and retail chemists for sealing and labelling and bundling in striking yet tasteful fashion. Ask for particulars.

**GORDON & GOTCH LIMITED,**  
Dept. CD4, 75/9, Farringdon Street, London, E.C.4

*Sellotape*

SELF-ADHESIVE CELLULOSE TAPE

**"NORVEX"** REGD.  
SANITARY  
TOWELS

Made from the best Materials.

Remember **"NORVEX"**  
for Quality.

**C. R. CROSSKILL & SONS**  
**NORWICH**



**"WEBSTER'S"**

**STAINLESS STEELWARE**

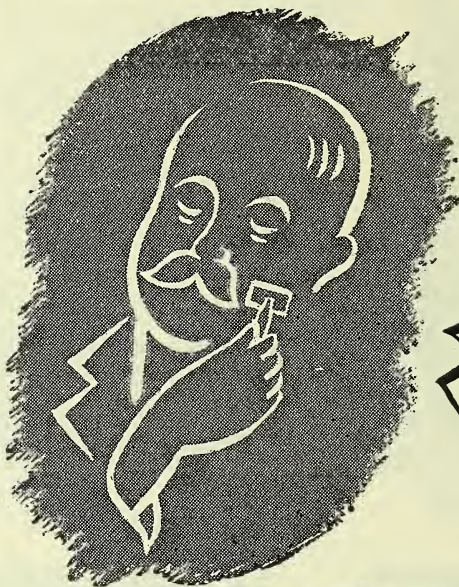
Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Biegies, etc., etc. Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.



**ISAAC WEBSTER & SONS, LTD.**  
**ABBAY WORKS, KIRKSTALL, LEEDS, 5**  
Phone: 1580 Headingley. Grams: Isaac Webster, Kirkstall

## OLD TIMER



## YOUNG SHAVER

We want to show the mechanically minded younger generation of shavers *why* they — like their fathers — will find a lifelong servant in the Gillette shaving system. \* For this reason our advertisements are stressing Gillette's undoubted technical superiority — the unvaryingly accurate fit of razor and blade, shoulders behind each Gillette edge, blades electrically tempered. These and many other exclusive features mean an even bigger future for Gillette products.

Supplies are improving. Today, Gillette on display serve you better than Gillette under the counter! Show them in your window and counter displays.

**'GOOD MORNINGS' BEGIN WITH GILLETTE**



*Neolite...*

*...Brushes for the Moderns*

The last word in modern brushware, NEOLITE products\* combine luxury of finish with elegance of style. Hand cut and sparkling like a rare gem, they are fashioned in a rhapsody of crystal and pastel colourings.

*Prices and Illustrated Brochure on request.*



\* Ladies', Men's, Children's, Babies', Clothes, Complexion and Bath Brushes, Hand Mirrors, etc.

**UNIVERSAL BRUSH COMPANY LTD.**  
**LUTON** **BEDS.**

**All  
Profitable Sellers**

**DHAUSSY PAD**HAIR REMOVER AND  
SKIN BEAUTIFIER

7d. PER PACKET OF 1 PAD

**BARTLETT  
EMERY BOARDS  
AND  
ORANGE STICKS****BARTLETT  
STYPTIC  
PENCILS  
IN BAKELITE CASES****SILKTONA  
LIQUID STOCKING  
SUBSTITUTE***Sole Distributors to the Drug Trade:**Order from your Wholesaler***ALFRED FRANKS & BARTLETT CO. LTD.****AUDREY HOUSE, ELY PLACE, HOLBORN CIRC  
LONDON, E.C.1**

TELEPHONE: HOLBORN 1078-9

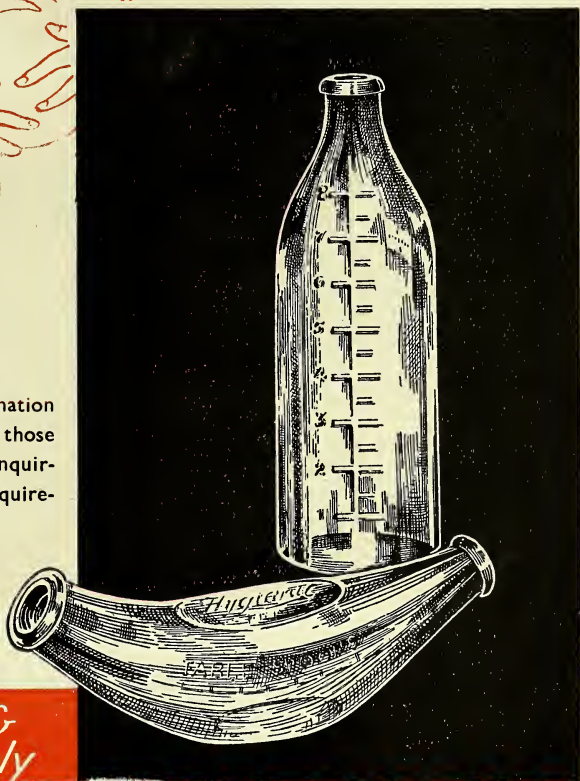


# INFANT FEEDING BOTTLES

ESSENTIAL FOOD AND  
DRUG CONTAINERS,  
MEDICAL FLATS AND  
PANELS, ETC., ETC.



The essential needs of the nation still demand priority. To those planning ahead we invite enquiries for Glass Container Requirements.



*Wholesale &  
Export Only*

London Office :-

28 Ludgate Hill, E.C.4

Telephone : CITY 7170

## LAX & SHAW Ltd

REGD. OFFICES : Albert Glass Works, Hunslet, LEEDS, 10

Telephone: 21568 (2 lines)

Telegrams: Feeders Phone Leeds



# **“ZEMS”**

## **HERBAL LICORICE TABLETS**

**THE BEST MEDICATED TABLETS  
FOR COUGHS, COLDS,  
ASTHMA, BRONCHITIS, ETC.**

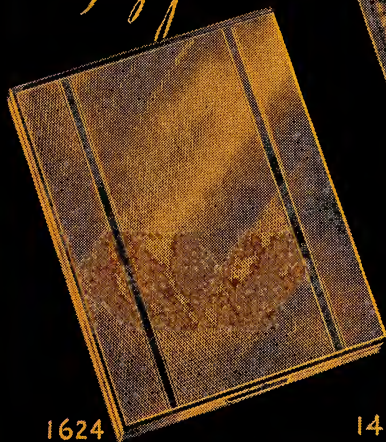
*Supplies may be obtained from C.F.  
Wholesale Houses*

**ZEMS, LTD.**

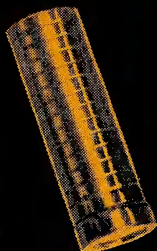
**718-724 Seven Sisters Road, London, N.15**



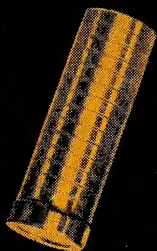
*Pygmalion*



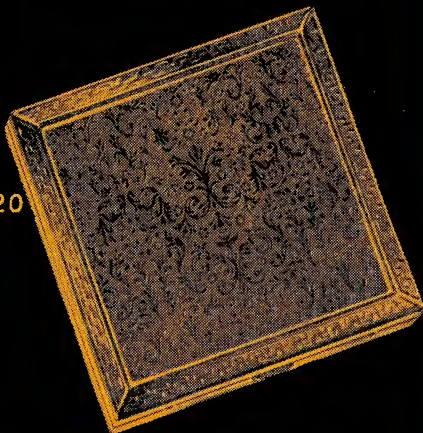
1624



1441



1420

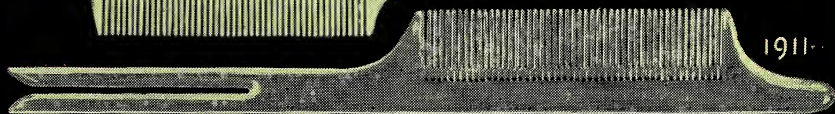


*Compacts,  
Lipstick cases,  
Cigarette cases.*

Combs of every description . . .



1910



1911

**S · D · RAND**

**5-6 Argyll Street, Oxford Circus, London. W. 1.**

**Telephone, GERRARD 3746**

*Order from your usual Wholesaler*



# The 3 stages of selling

*There's a logical sequence in the selling of Tampax, perfected form of internally worn sanitary protection, and it's as simple as 1-2-3*



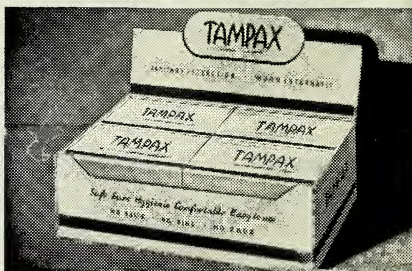
**I It starts in the home. . .** When the day is done and woman is in her most receptive mood, relaxing with her favourite magazine or newspaper. Here she sees the story of the unique advantages of Tampax—told in restrained, dignified but readership-compelling advertisements. Stage 1 is done for you.



**2 It continues in the window . . .** with display material *we* will gladly supply. Women know, without the necessity of asking, that here Tampax is on sale. And that may mean the difference between a customer-in-the-shop and a passer—without-buying. Tampax displays are tastefully designed and worthy of any window.



**3 It is completed on the counter . . .** with a Tampax display container placed where the customer can help herself—making for an easy, unembarrassing purchase. Such purchases foster goodwill, and bring repeat sales . . . for once women have tried Tampax they rarely revert to other methods. And if they buy from you once, they will buy from you again.



## TAMPAX

SANITARY PROTECTION—WORN INTERNALLY

Packets of 10:

TRADE 15/9 doz. RETAIL 1/9 Packet.

Distributed through leading wholesalers

TAMPAX LTD. Sales Office : 110 Jermyn Street, London, S.W.1. Telephone : Whitehall 8696/7

P.A.T.A.



These are the months to push SHELLTOX—the “double action” insecticide that kills all the insect pests which make themselves a nuisance in every home.

# cash in on SHELLTOX!

There's no doubt about the success of SHELLTOX! Public demand, fostered by nation-wide advertising, has already established it as the No. 1 household insecticide—and the news will go on spreading. Help it along, and help yourself. Be generous with window space—SHELLTOX is worth it. Display it on your counters—SHELLTOX sells all the time. Make personal recommendations—customers will be grateful. Just give it the chance—SHELLTOX pays big dividends!

- ★ Show the new SHELLTOX sprayer where all can see it. Streamlined, non-dripping, it's another big profit-maker.



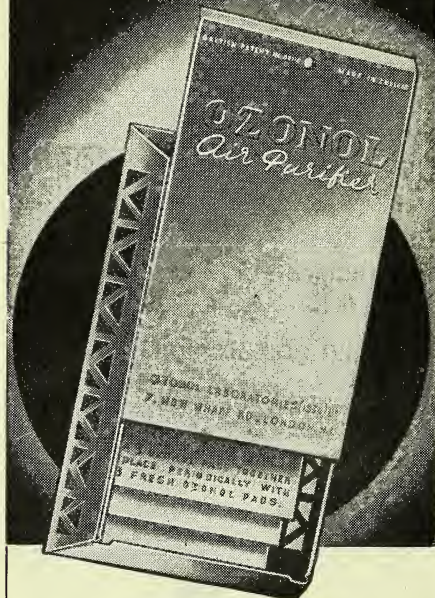
- ★ Link up with national advertising for SHELLTOX. Ask the SHELLTOX representative for display material.

**Order more SHELLTOX—stocks keep moving!**

SHELL CHEMICALS LIMITED (Distributors): Head Office: 112 STRAND, LONDON, W.C.2

# OZONOL

*is back—for your*  
**"HOME" TRADE**



You can now satisfy the demand for both OZONOL Air Purifiers and Refills. National advertising is in preparation and free window displays gladly arranged.

## PRICES

Complete 42/- per doz.  
plus 8/- P.T. (Retail 5/4).  
Refills 18/- per doz.  
Tax Free. (Retail 2/-).  
Orders fulfilled in strict  
rotation until supplies are  
normal.



**OZONOL LABORATORIES (1930) LTD.**  
**NEW WHARF ROAD • LONDON • N.1**



**IMMEDIATE  
DELIVERY**

**BROTEX Reg'd  
ALUM BLOCK**

For Use After Shaving

**STYPTIC PENCIL**

For Cuts and to Stop Bleeding

"KINGDOM"

**WASHING POWDER**

For Linens, Cottons, Woollens,  
Silks and General Kitchen Use

**TOILET & PERFUMERY  
PREPARATIONS  
FOR EXPORT**

FULL PARTICULARS  
& PRICES FROM THE  
MANUFACTURERS

**BROTEX PRODUCTS LTD.**

MANUFACTURING CHEMISTS  
49A GRAYLING RD. LONDON N16  
TELEGRAMS: CRYWAX LONDON



(PERCENTA LTD.)

Containers of Metal  
Glass, Aluminium  
and Plastic

Tel: HOP 0516 (6 lines)

(Dpt. 23) Percenta House, 130/2 Tooley St., London, S.E.

## FLY PAPERS

First quality, impregnated with high percentage of D.D.T./Geigy. Retail 4½d. each and saleable by Pharmacists only. 30/7 Gross, cash with order.

**MEDISERVICES LTD. STOCKPORT**

## CANADA

Old-established Manufacturing Firm with complete sales representation and branches across Canada, dealing directly with Drug, Department and Chain Stores, desires to contact manufacturers (other than Perfumes and Soaps) with a view to manufacturing and distributing their products in Canada.

On account of the extent of the Canadian territory with its few large cities, and otherwise sparse population, this plan for volume operations and lessened overhead should be mutually and financially advantageous. Strictly confidential.

Address: — Manufacturer, P.O. Box 457,  
Montreal 3, CANADA



**ANONA  
WINN**



**FAMOUS STAGE AND RADIO  
STAR IS APPEARING IN 132  
MILLION ADVERTISEMENTS  
FOR 'AURORA' AND 'WINNER'  
DYES DURING 1947**

**LESS 5% FOR  
CASH IN 7  
DAYS**

**AURORA**  
Cold Water Dyes  
48/- GROSS  
**WINNER**  
Home & Stocking Dyes  
24/- GROSS

**WHITAKERS OF KENDAL**

**SCIENTIFICALLY FORMULATED  
INSECTICIDES**

**SUISECT**

**Containing D.D.T. Plus a High Percentage of  
Pyrethrum.**

**SPECIAL INSECT  
POWDER**  
handy-sized sprin-  
k-top containers. 1/6

**RAY POWDER.** In 8oz. lever-lid containers. 1/9

**LIQUID INSECTICIDE**  
In 16oz., 32oz. & Gallon  
Cans. 2/9, 4/9, 17/6  
respectively.

**XTERMINEX**

**General Purpose Insecticidal DUSTING POWDER**  
Containing 8% D.D.T. in finest quality English  
China Clay. In 8oz. sprinkler-top containers. 1/6

**EXOPEST**

**For Horticultural and Agricultural Use  
DUSTING POWDER**  
Containing 5% D.D.T.  
finest quality English  
China Clay.  
8oz. sprinkler-top  
containers. 1/6

**WETTABLE SPRAY  
POWDER**  
5% D.D.T. — in 8oz.  
lever-lid containers. 1/9  
25% D.D.T. — in 8oz.  
lever-lid containers. 2/6

**ATTRACTIVE TRADE TERMS apply:**

**THE HYGIENIC CHEMICAL CO. LTD**

SALES OFFICE & WORKS  
NEATH, GLAM

600  
GROUP  
STANDARD

TELEPHONE NEATH 697  
GRAMS. METALCLAD, NEATH



**June**

The first long days of midsummer bring thoughts of travel. Whether you are beginning to plan your holiday or whether you feel that now would be an appropriate time for that long-deferred business trip, preparations have to be made. The Midland Bank is ready to assist you with the services of experienced specialists in exchange matters, by obtaining your foreign currency and by providing travellers' cheques and letters of credit which are readily encashable abroad. With an unrivalled reputation overseas, this Bank has thousands of agents throughout the world who are at all times ready to assist its customers.

**MIDLAND BANK LIMITED**

# STOCK LABELS

No 120  
SERIES

For Pharmaceutical and Toilet  
Lines in quantities from 100  
upwards. A wide range  
of different designs in  
series

No 574  
SERIES

Ask for samples:  
**JAMES TOWNSEND  
& SONS, LIMITED  
EXETER**  
& AT THE ORCHARD PRESS, EASTCOTE, PINNER



*Supplies  
Temporarily  
Restricted*

At the moment we  
unable to keep pace with  
rapidly growing demand  
"Stergene," our new seier  
washer and cleanser, but  
hope supplies will incre  
before long. Meanwhile  
are doing our best to  
everyone a fair share of  
limited quantity avail

**Stergene**  
SCIENCE IN CLEANSING

**DOMESTOS LIMITED**  
COLLEGE WORKS, NEWCASTLE UPON TYNE

## WANTED A BUSINESS OR PRODUCT in the Pharmaceutical, Toiletry or Cosmetic Field

Do you have a business or product  
in the pharmaceutical toiletry or cos-  
metic field that has national sales  
possibilities? If you have, we are  
interested and would like to have brief  
particulars sufficient to lead to an  
interview with an Executive of this  
Company.

The advertisement is placed by one  
of the largest manufacturers and  
advertisers in the pharmaceutical and  
toiletry fields. We are interested in  
products old and new. National distri-  
bution is not essential.

All replies will be held in strictest confidence.

Address Box 164/543, C. & D. Office.





*Scarce, but worth  
hunting for*

**Price 3<sup>d</sup> each**  
INCL. TAX

Obtainable only from Retailers.  
JAMES NEILL & CO. (SHEFFIELD) LTD.



says M<sup>r</sup> VITALITY

Now that Simpkins Glucose Confections are de-zoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

#### GLUCOSE MEDICATIONS

Distribution by allocation will continue as hitherto. You are invited to apply immediately stating whether you are a datum or non-datum year purchaser chemist.

#### VITA GLUCOSE

Supplies available for Diabetics only.



#### Little-known Limericks—No. 35



Said a chemist: "I'm wearier and wearier  
Of women with shopping hysteria.

You should just hear the din

When my Brand's goods come in!

How I wish they were not so superior!"

The reason why there is always such a demand for Brand's goods is that women know them to be of top quality. The only way in which we can make things a bit easier for the retailer is to allocate our supplies fairly and impartially, and to see that you get your quota regularly.

Brand & Co. Ltd.

London

**AMAMI***and***Pompeian****announce  
change  
of address**

PRICHARD & CONSTANCE (Manufacturing) Ltd., makers of AMAMI and POMPEIAN Products, beg to announce their removal to new and larger premises as and from JUNE 20th, 1947. Kindly note, therefore, that from the above date all correspondence, remittances, orders, etc. respecting AMAMI and POMPEIAN Products should be sent to:

**NORTH  
CIRCULAR  
ROAD  
West Twyford  
London N.W.10**

Telegrams: *Amamireg Haver London*  
Telephone: *ELGar 8095-6-7*

AMAMI and POMPEIAN PRODUCTS<sup>®</sup>  
are prepared in England solely by PRICHARD &  
CONSTANCE (Manufacturing) Ltd. P.A.T.A.

**'JAM' YESTERDAY  
'JAM' TO-MORROW**

And even if a bit thin—Jam today as well. It is our constant endeavour to increase supplies both of "Bread and Jam" and—as always—to spread these supplies evenly and fairly

**Ferryman**  
OF SOUTHAMPTON

*Wholesale and Manufacturing Chemists and  
Wholesale Druggists, Suppliers of Proprietary  
Drugs, Sundries, Packed Goods and  
Pharmaceuticals.*

HERBERT FERRYMAN LTD.  
COBDEN BRIDGE, SOUTHAMPTON  
Telegrams: *Ferryman Southam:ton* Telephone: *75841 (5 lines)*

**NO POINTS REQUIRED!!!**

NO CHEMIST SHOULD BE WITHOUT  
THIS FINE ALL-YEAR SELLING LINE

**"LIKRO-MENTHS"****LIQUORICE & MENTHOL  
PELLETS****6d. and 1/- inc. tax.**

Boxed 4 dozen packets to display outer  
6d. size - - 18/6 per outer inc. tax.  
1/- size - - 37/- per outer inc. tax.

Minimum — 3 outers  
(Carriage Paid)

WHOLESALE ENQUIRIES INVITED:—  
**W. JAMES DAVIES**  
(WESTERN) LTD.,  
Maindy Works, Maindy, Cardiff



# CAPSULES

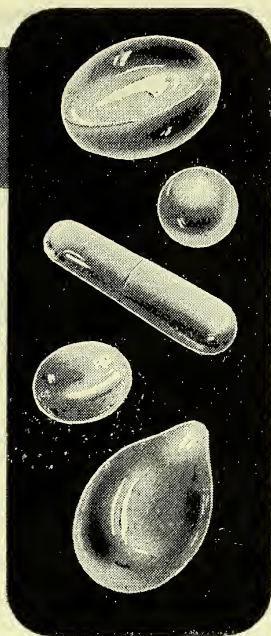
*by Ferber's*

means quality, guaranteed and absolute reliability. Own formulæ prepared in strict confidence. Hand or machine made capsules according to quantity and contents. Home and Export enquiries invited.

**ROBERT FERBER LTD**

CARLTON WORKS, ASYLUM RD, S.E.15

TELEPHONE . . . . . NEW CROSS 0768



## CRESTOL

ANTISEPTIC - MEDICATED CREAM  
IODINE OINTMENT

## CRESTANOL

VAPOUR RUB

## CRESTOZONE

INHALANT

## IODOCREST

OINTMENT

also

ZINC, BORACIC and SULPHUR  
OINTMENTS, and PETROLEUM JELLY

**REST LABORATORIES LTD.**

Manufacturing Chemists

URY NEW ROAD, SALFORD 7

## John Knox

(Stoke-on-Trent) Ltd.

Wholesale and Manufacturing Chemists

*beg to announce that their  
removal to more extensive  
premises is now completed.*

*All communications should  
now be addressed to:—*

JAYNOX WORKS  
KING STREET  
FENTON, STOKE-ON-TRENT

PHONE  
Longton 39221  
(4 lines)

TELEGRAMS  
Jaynox  
Stoke-on-Trent

## Carriage Trade



"The quality" were once your important customers. Now it is the people. All classes equally feel the effects of mineral deficiency. All need an adequate mineral supplement to offset years of rationing.

You can give no better advice than, "Take Calfos". Calfos replaces depleted mineral reserves. For every expectant and nursing mother Calfos provides the natural minerals she needs to bear and rear a healthy child, without loss or damage to her teeth and bone.

For children of all ages Calfos is pleasant and easy to take.

*Please write for special Trade Terms*

# CALFOS

*Natural Mineral* TABLETS REGD.

CALFOS LIMITED • IMPERIAL HOUSE  
KINGSWAY • LONDON • W.C.2

C.F.

P.A.T.A.

for  
**TABLETS & PILLS**  
CAPSULES, LOZENGES  
& SUPPOSITORIES

consult

EXPORT  
ENQUIRIES  
INVITED

# MATTHEWS & WILSON

EST. 1894

6-8 COLE STREET  
LONDON, S.E.1

## If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Linctus is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints and mentions their prices.



**INTERNATIONAL  
LABORATORIES LTD.** PATA  
1/3 Smedley Street  
London, S.W.8





*Re-arm yourself for national recovery*

**VOL-VITE** for extra Vitamin Fitness

MADE BY  
**HOWARD-TAYLOR LTD.**

LONDON W.C.2  
BRIDGEMAN LONDON LONDON LTD ENFIELD MDDX

Manufactured by W. SUTTON & CO. DRUGGISTS LONDON LTD ENFIELD MDDX



*Re-arm yourself*

**VOL-VITE** for extra Vitamin Fitness

MADE BY  
**HOWARD-TAYLOR LTD.**

LONDON W.C.2  
BRIDGEMAN LONDON LONDON LTD ENFIELD MDDX

Manufactured by W. SUTTON & CO. DRUGGISTS LONDON LTD ENFIELD MDDX



Sole  
distributors:



**W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LTD.**  
Horseshoe Lane, Enfield, Mddsx. ENFIELD 4747 (10 lines)

*Re-arm your customers  
for increased fitness*

More and more of your customers are being told about VOL-VITE—the chocolate-coated multi-vitamin tablets with a standardised content of vitamins A, B<sub>1</sub>, C and D<sub>2</sub>. Daily they will be reading in national advertisements now appearing, how VOL-VITE can help to re-arm them to increased fitness in the drive to national recovery. Be prepared for their demands by ordering today from your usual wholesaler or direct from the sole distributors.

25 days' supply costs 4/6  
36/- doz. in units of 1 doz. tins

**VOL-VITE**

**P.A.T.A.**

The chocolate-coated multi-vitamin tablets  
Another HOWARD-TAYLOR product

# AUTOMATIC OINTMENT FILLING MACHINES WANTED

*New or Second-hand*  
*Suitable for Filling*  
**oz. and  $\frac{1}{8}$  oz. TINS**

Write Box No. 1/34

**CHEMIST & DRUGGIST'**  
ESSEX STREET, LONDON, W.C.2



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3½d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack — a popular price and generous profit.

## UNIVERSALLY ADVERTISED

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard.

Order from your Wholesaler: 1 Display carton (1 dozen), 1/3. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)

**J. E. ELLIS LTD., HORSFORTH, LEEDS**

# Chemicals for the Pharmacist

*Manufactured by* ALBRIGHT & WILSON Ltd

PHOSPHORIC ACID  
SODIUM PHOSPHATES  
CALCIUM PHOSPHATES  
HYPOPHOSPHITES  
CARBON TETRACHLORIDE  
SODIUM METAPHOSPHATE (CALGON)  
ALGINATES ('MANUCOL' BRAND)

*Please address enquiries to*

**ALBRIGHT & WILSON** LTD

49 PARK LANE, LONDON, W.1 Telephone: GRO. 1311  
Telegrams: Albrivil Phone London Cables: Albrivil London



36 GCE

*A reputation  
for reliability . . .*

**"Sentinel"**

ALL COTTON WOOL

**SANI-TOWELS**

*"with the soft seamless knitted covering"*

SIZES 1, 2, 3 AND MATERNITY

also

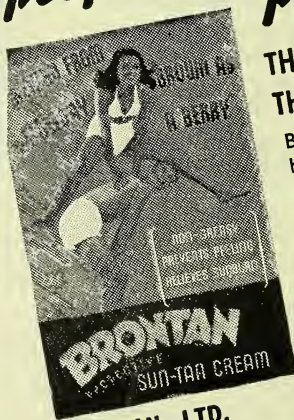
**'KUMFEX' SOLUBLE**

(all with loop ends)

★ *Supplies unfortunately restricted at present*

**SPLENDOR LTD. Nottingham & London**

**10,000,000  
people will see this  
Poster**



**THROUGHOUT  
THE SUMMER**

Be ready for a  
big demand.  
Limited sup-  
plies only  
available.

Order your  
quota now!  
Retails 2/6  
Inc. P.T.

**BRONTAN, LTD.**

1, Broad St. Buildings, Liverpool St.,  
London, E.C.2. Phone :  
BIShopsgate 6383.





# BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION. Because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained. THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

					Retail Prices	CHEMISTS' PRICE					
						Per unit			Per dozen		
					(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
<b>ANTIPEOL</b>											
TMENT	4 oz. tube	...	...	...	6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. "	...	...	...	3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. "	...	...	...	1/10½	1/2	+	2½	14/-	+	2/4
<b>UID</b>											
	40 c.c. bottle	...	...	...	3/4½	2/1½	+	4½	25/3	+	4/3
<b>HTHALMO-ANTIPEOL</b>											
	gr. Nozzled Tube	...	...	...	3/4½	2/1½	+	4½	25/3	+	4/3
<b>INO-ANTIPEOL</b>											
	gr. Nozzled Tube	...	...	...	2/9½	1/9	+	3½	21/-	+	3/6
<b>TEROFAGOS (ORAL AND INJECTABLE)</b>											
	of 50 ampoules	...	...	...	19/-	13/3½		None	159/7		None
	10 "	...	...	...	4/3	3/-		None	35/8		None
	5 "	...	...	...	2/6	1/9		None	21/-		None
<b>TENSYL</b>											
	of 500 tablets	...	...	...	39/-	24/-	+	4/-	288/-	+	48/-
	of 50 "	...	...	...	4/5½	2/8½	+	5½	32/4	+	5/3
<b>JAMES' BALM</b>											
	of approx. 2½ oz.	...	...	...	2/10	1/11	+	4	22/6	+	3/9
	" 1 oz.	...	...	...	1/5	11	+	2	11/3	+	1/11
	...	...	...	...	1/2	9	+	2	9/-	+	1/6

Carriage paid on all orders of 1 dozen or £1 and over.  
Terms: NETT, Monthly Account.

£750

"PRINCESS OF BEAUTY"  
CONTESTSPONSORED  
BY*Missie* SHAMPOO

WONDERFUL FIRST PRIZE INCLUDES  
£150 cash, 2 weeks' holiday in  
SWEDEN, 12 months' free hair and  
beauty treatment and option of em-  
ployment on demonstration staff.  
Many other prizes for remaining

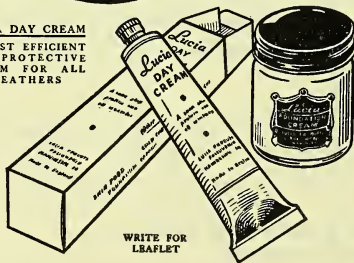
competitors brings total to £750.  
THIS MEANS HEAVY DEMAND  
National advertising will tell the  
public. You will be asked for Missie  
Shampoo and the Competition Entry  
Forms.

To be judged by Stars of Stage, Screen and Radio.

Baldwin Chemical Industries Ltd., Station Approach, Waltham Cross, Herts.



LUCIA DAY CREAM  
A MOST EFFICIENT  
SKIN PROTECTIVE  
CREAM FOR ALL  
WEATHERS



WRITE FOR  
LEAFLET

LUCIA PRODUCTS  
WILMSLOW ROAD, FALLOWFIELD, MANCHESTER 14.

*Tessa*  
LIPSTICKS  
and REFILLS



*Cosmetized from our  
exclusive American  
Formula into the  
Season's latest  
shades*

★ YOU ARE SUPPORTED BY EXTENSIVE  
ADVERTISING ★

Send for Shade Card and  
details of Trade terms.

**J. DUNHILL MANUFACTURING CO**  
17 WOODSTOCK STREET, LONDON, W  
TELEPHONE : MAYFAIR 1603





To link your business with Scholl, to identify yourself with the most complete service for foot care ever offered to the public, and a name which is known all over the world.

To begin with, there is the Scholl headquarters in London, with every technical resource for producing all types of foot appliances, chiropody instruments, equipment, and medicaments for ailments of the feet.

Next, there is our Educational Department. Its work is to teach Scholl's methods of foot relief,

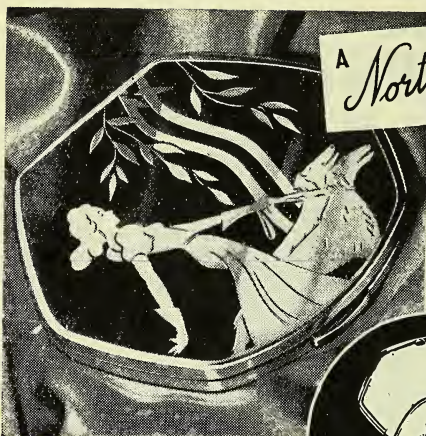
and to train staff in the scientific fitting of foot appliances.

● Last, but most important to the millions who suffer from minor foot troubles is the Scholl service of Foot Aids to you—our dealers.

● There are over one hundred Scholl Foot Aids, all laboratory-tested, and each one designed to relieve a specific ailment. They sell by the million and never stop selling all the year round. Seven out of ten people who pass your shop are potential customers for Foot Aids.

*Get in touch with us and let us send you our price-list.*

THE SCHOLL MANUFACTURING CO. LTD. • 182-204 ST. JOHN STREET, LONDON, ECI

A Northfield  
PRODUCTTHE *Diana*

## METAL COMPACT

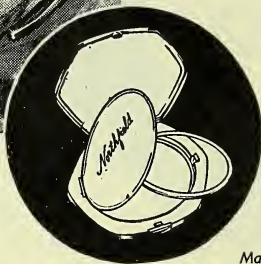
(Gilding Metal Case)

- ★ GILT DESIGN
- ★ UNCHIPPABLE BLACK BACKGROUND
- ★ INNER LID AND SIFTER
- ★ BOXED SINGLY, EACH IN POUCHET

Just one of our many quality quick sellers which enhance your reputation

Supplied to bona fide Wholesalers Export Trade only.

(Retail enquiries will be passed to stockist)



Other lines manufactured include :

- Plated Egg Sets
- Cigarette Cases (slide action)
- Tableware and other compacts

Provincial Representative: -  
HAROLD E. COULSTING, Ltd.  
Dept. C.D. 39 High St., Manchester  
Telephone: DEAnsgate 2774 (2 lines)

London Representative: -  
CONRAD M. EASMAN  
Dept. C.D. 145/7 Northfield Avenue  
West Ealing, London, W.13  
Telephone: Ealing 1426 - 5

Manufactured by:  
SALTMAN ENGINEERING Co. Ltd. London

*Gives hair NEW LIFE*

# BIOCRIN

*Pomade Treatment Shampoo*

A Fast Selling,  
Quick Repeating  
& Highly Profitable Line  
Backed by an Extensive  
Advertising Campaign.  
Retail Prices: 5/- and 3/-.

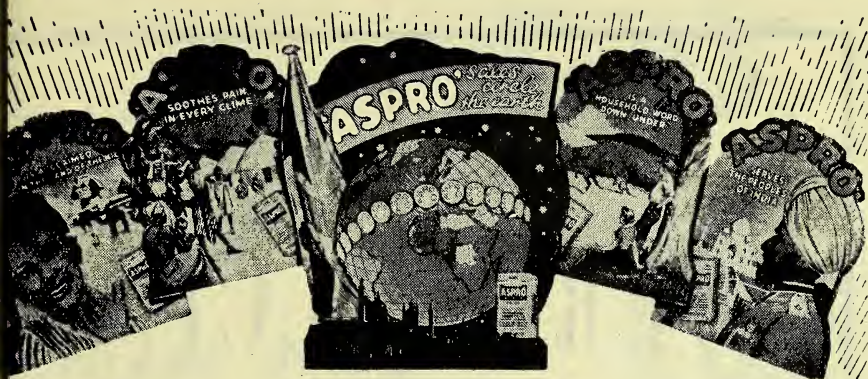
VINE'S BIOCRIN LTD. LONDON W.2

# ARIEL CURLERS

*Obtainable through your  
usual wholesaler*

MADE BY S & D RIVET CO LTD  
TEMPLE ROAD · LEICESTER





# A GRAND DISPLAY AND A GRAND SELLER! *Have you seen it?*

The new 'ASPRO' display is a credit to any window. It is attractive—and effective. It makes the passer-by stop, and look—and it turns passers-by into customers at a record rate. Window space devoted to 'ASPRO' is space that REALLY pays because national advertising and proved service have made 'ASPRO' a product which MOST PEOPLE WANT. Nine times out of ten, people already have it in their minds when they buy 'ASPRO', and a display turns the thought into a purchase—in your shop. Your customers multiply—sales in your other lines increase. You are, in fact, tapping a great reservoir of public demand, for

**PUT THE  
DISPLAY  
IN YOUR WINDOW  
AS SOON AS  
YOU GET IT**

**ASPRO' HAS THE LARGEST SALE  
OF ANY MEDICINE OF ITS KIND  
IN THE WORLD**

The above display is now available. If you have not already received one, cut out and send us this coupon—the display will be posted back by return.

**SPRO**  
E.G. TRADE MARK

Made in England by  
**ASPRO LTD., TRADING ESTATE,  
Slough, Bucks**

Please send me the new 'ASPRO' display

Name .....

Address .....

# SEROCALCIN



*for the prevention  
and treatment of*  
**COLDS**

THE DEMAND FOR THIS SUCCESSFUL AND MUCH  
PUBLICISED PREPARATION IS ENORMOUS

**PATA**

---

ALL PHARMACISTS ARE REMINDED THAT ORDERS AND  
ENQUIRIES FOR SEROCALCIN SHOULD NOW BE ADDRESSED TO  
J. C. ENO, LTD., WATFORD, HERTS. Telephone: WATFORD 7761

---

**HARWOODS LABORATORIES LTD., WATFORD, HERTS**



# Whiffen's

ENGLISH REFINED



## CAMPHOR B.P.

in flowers

which has been unobtainable for so many years is now available in moderate quantities.

ALL PARTICULARS CAN BE HAD ON APPLICATION TO:

**WHIFFEN & SONS LTD.**

ALDERSGATE CHEMICAL WORKS  
FULHAM, LONDON, S.W.6

TELEPHONE:  
RENOWN 3416 (Private Branch Exchange)

TELEGRAMS  
WHIFFEN, LONDON

# Introducing 'PENEUCIN'

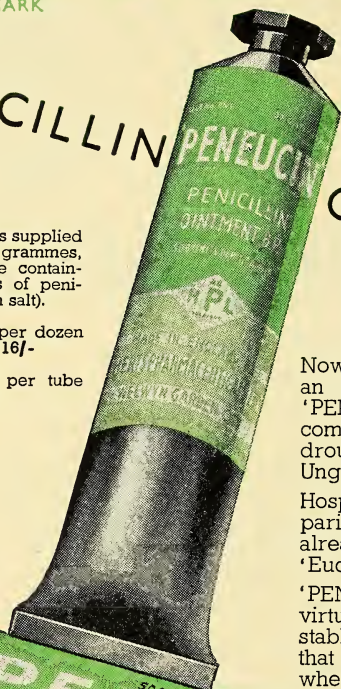
TRADE MARK BRAND

PENICILLIN OINTMENT B.P.

'PENEUCIN' is supplied in tubes of 30 grammes, each gramme containing 500 units of penicillin (calcium salt).

Trade price per dozen tubes 16/-

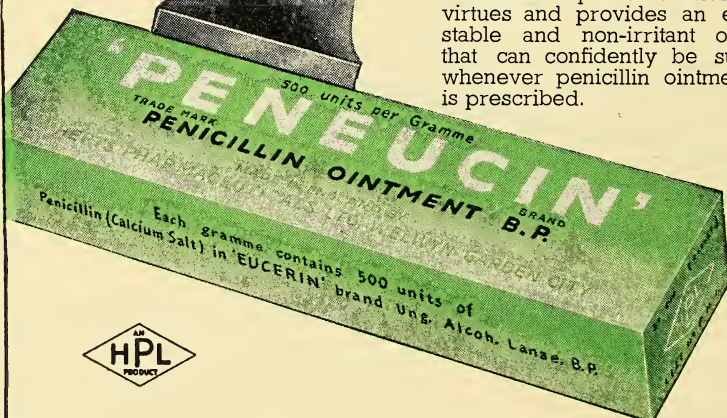
Retail price per tube 2/-



Now that penicillin ointment B.P. is an official preparation we offer 'PENEUCIN', in which penicillin is compounded with 'Eucerin' Anhydrous, our well-known brand of Ung. Alcoh. Lanæ B.P.

Hospitals and pharmacies, in preparing penicillin emulsions, are already familiar with the virtues of 'Eucerin' L.M.

'PENEUCIN' possesses these same virtues and provides an elegant, stable and non-irritant ointment that can confidently be supplied whenever penicillin ointment B.P. is prescribed.



(M.27)

HERTS PHARMACEUTICALS LTD., WELWYN GARDEN CITY, HERTS.





